

Mission Statement

The objective of Government Medical College and Hospital (GMCH) is to establish a state-of-the-art health care infrastructure in the public sector where the delivery of health care services and the science and art of medicine is imparted in accordance with the best standards.

The most important aim of GMCH is to provide modern knowledge and skills of health care delivery system to the undergraduate and postgraduate students in the best ambience. Additionally, the GMCH is also committed to impart education and training in the paramedical streams to produce a skilled and qualified force in the subjects of nursing and other paramedical specialties.

The objective of training in the ambience of GMCH is to nurture the professionally competent, ethically sound and morally alive work force which is committed to the health care needs of the patients and to serve the humanity in the most compassionate manner. To meet this objective, GMCH facilitates the innovation of new ideas, inculcation of already established principles and dissemination of the knowledge and skills using modern means of teaching and communication.

The other important aim of GMCH is to create a work culture of medical education and health care delivery, of holistic medicine which includes imparting curative treatment in line with the latest global standards in terms of quality, preventive/ prophylactic treatment of the preventable disorders and the education of the masses for healthy practices of living so that the load of diseases is lessened in the society.

In the past 2 decades, although the quality of health care has improved tremendously in our country, it has also resulted in a prohibitive increase in the cost of health care services to the society. GMCH aims to inculcate the practice of health care delivery system which can provide quality health care services at affordable prices to the common man of our country.

Lastly, GMCH is committed to provide a pleasant and professional work environment to its workers so that the GMCH employees (both medical and nonmedical) look forward to start their work every morning in an enthusiastic manner and finish their daily work at the end of the day in a time bound manner.

1st ANNUAL REPORT (2012-2013)

Government Medical College and Hospital Chandigarh

Telephone: + 91 172 2665545 Fax: + 91 172 2609360

Email: dpgmcc@yahoo.com

EDITOR Prof. Ravi Gupta

CO-EDITORS

Prof. Sukanya Mitra Dr. Jagjit Singh Shri Jeet Singh

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GMCH ADMINISTRATION

ADMINISTRATOR

Sh. Shivraj V Patil

ADVISER TO ADMINISTRATOR

Sh. K K Sharma, IAS

SECRETARY MEDICAL EDUCATION & RESEARCH

Sh. Anil Kumar, IAS

SPECIAL SECRETARY MEDICAL EDUCATION & RESEARCH

Smt. Gurpreet Kaur Sapra, IAS

DIRECTOR-PRINCIPAL

Prof. Raj Bahadur (upto 22.04.2013)

Prof. Atul Sachdev (w.e.f. 23.04.2013)

ADDITIONAL DIRECTOR ADMINISTRATION

Smt. Jasvinder Kaur, IAS

MEDICAL SUPERINTENDENT

Dr. Vipin Kumar Kaushal (upto 31.07.2012)

Prof. A K Janmeja (w.e.f. 01.08.2012)

DIRECTORS OF THE INSTITUTE

Prof. J S Chopra

(31.07.1992 to 30.06.1995)

Prof. V K Kak

(17.08.1995 to 31.10.2000)

Prof. S B S Mann

(15.11.2000 to 27.08.2003)

Prof. H M Swami

(27.08.2003 to 31.10.2007)

Prof. Raj Bahadur

(01.12.2007 to 22.04.2013)

Prof. Atul Sachdev

(w.e.f. 23.04.2013)

The Making of GMCH-"In Service of Humanity"

In view of the ever increasing population of the city of Chandigarh, a second 500-bedded hospital had become a necessity not only for catering to the needs of patients in the southern sectors of the city but also to cater for patients from the satellite townships of Panchkula, SAS Nagar and surrounding states.

When the first 500-bedded General Hospital in Sector 16 remained clogged with the flow of patients from the first phase sectors of the city and the surrounding states of Punjab, Haryana, Himachal Pradesh and western parts of Uttar Pradesh, the Postgraduate Institute of Medical Education & Research (PGIMER), Chandigarh was conceived as a premier referral centre for the northern states of India. In due couse of time, the infrastructure of both the institutions was choked with the rush of the patients from the tricity as well as from the surrounding states.

The Government Medical College and Hospital in Sector 32 had been planned for relieving pressure on General Hospital, Sector 16 and PGIMER, so that it could serve as another referral hospital.

Chandigarh offers the best educational facilities in the country. Besides the Panjab University and the Postgraduate Institute of Medical Education & Research, it has an Engineering College, College of Arts, College of Architecture, a number of Government and Private Degree Colleges and other prestigious and important research

institutions. Somehow, the city lacked a Medical College for graduate studies, i.e. MBBS course. GMCH has been providing opportunity of a career in medicine to many promising students who were denied of this opportunity because of 'domicile' restrictions imposed by the states in which these colleges are located.

BROAD OBJECTIVES OF GMCH

The hospital, intending to meet the medicosocial needs of various communities of different economic status, has been obliged to adjust its various services/facilities of general nature and teaching to the present requirements of the society in North India. The broad objectives of the 700 bedded multi-disciplinary teaching hospital are mentioned below:

- i. To provide comprehensive health care, encompassing preventive, promotive, curative and rehabilitative health care to the residents of North India drawn from the urban/semi-urban and rural areas.
- To provide out-patient, in-patient and round the clock maternity and emergency care services of all basic and supportive general specialties.
 These services are provided free to the poor while other patients pay nominal charges.
- iii. To provide round the clock facilities of intensive care unit, coronary care

- unit, burns unit and neonatal intensive care unit.
- iv. To provide state-of-the-art diagnostic services in clinical pathology, including blood bank, clinical biochemistry, microbiology and radiology, including ultrasound and CT scan.
- v. To provide specialised services in clinical, diagnostic and therapeutic fields like in cardiology, pulmonology, nephrology, neonatology, neurosurgery, urology, plastic surgery and burns, hand surgery and pain services including acute, chronic and labour analgesia.
- vi. To act as a medical institute for direct/first level contact for patients and also as a tertiary level referral centre for the referred cases from nearby smaller/large hospitals (Government/private), health centres, polyclinics and dispensaries situated in North India.
- vii. To act, specifically, as a regional overflow multi-disciplinary institution (north region) for the referred cases by linking horizontally with other peripheral 100 bedded and 500 bedded general hospitals in the north, with other major teaching institutions and larger multi-disciplinary hospitals situated in other parts of Chandigarh.
- viii. To reduce considerably the present

- workload of other hospitals, especially the Postgraduate Institute of Medical Education & Research, Chandigarh and thereby offer maximum relief to the economically weaker section and middle section of the people residing in rural and semi-urban areas of Chandigarh.
- ix. To participate in various national health programmes, including National Family Welfare Programme, by linking with various Government / private hospitals and health centres (horizontally and vertically) and providing necessary infrastructure and facilities as per their demands.
- x. To act as a Centre for Continuing Medical Education Programmes for various categories of technical and non-technical personnel of different disciplines working within and from other various sized hospitals.
- xi. To render facilities for conducting research activities relating to different specialties.
- xii. Last but not the least the hospital, as a measure for future expansion, in response to the changing trends in hospital services, would also provide facilities/ services (clinical, diagnostic, and therapeutic) of various specialties in future depending upon the real needs of the population.

COMMISSIONING OF THE GOVERNMENT MEDICAL COLLEGE & HOSPITAL

The Government Medical College, Chandigarh was started during the year 1991 in pursuance of the 'No Objection Certificate' issued by the Government of India, Ministry of Health & Family Welfare, vide their U.O. No. 12013/31-90ME(P) dated 15-01-91. The de-facto Government Medical College was started in the Prayaas

Building, Sector 38, Chandigarh after the foundation stone laying ceremony was performed by the former Hon'ble Prime Minister of India, Shri Chandra Shekhar on 20 January, 1991 in Sector 32 on the quilt of 36.09 acres of land allotted by the Chandigarh Administration. In the first instance, the construction for this College and Hospital was started with the outlay of Rs. 100.00 Lac earmarked in the annual plan for 1991-92.



HOSPITAL PLANNING

The hospital building has been constructed with the highest specifications available in the country so that it can be kept hygienically clean and relatively infection free, in the patient's interests. Crevices, projections and other designs, which can

collect dust and cobwebs, have been avoided in the construction. Such infection harboring designs have been eliminated.

BED DISTRIBUTION AND ARCHITECTURAL DESIGN

Based upon modern technology and the utilization of the modern approach for the

building of any complex, especially a large hospital, the Chief Architect, Chandigarh Administration, had evolved a new concept based on the modular system. He proposed the system with self contained modules for different functions with vertical requirements and a central core which would take away the use of unending corridors of the traditional hospital buildings constructed in the past. The various wings/ modules and the architectural designs were proposed by the Artchitecture Department of Chandigarh Administraion.

PHASES OF GMCH

PHASE-I

In the first phase, Block-A containing 80 beds for the Department of Obstetrics & Gynaecology, 60 beds for the Emergency

Departments and same number of beds for the Trauma Ward, approximately 70 beds for the Paediatric Medical and Surgical Wards alongwith 23 Private Wards and a canteen was planned so that approximately 250 beds are available for patient services in the first phase. It was inaugurated in June, 1995, by HE Lt. Gen (Retd.) B.K.N. Chhibber, Governor Punjab & Administrator, UT, Chandigarh.

OPD services were started in June 1995, inpatient admission in May 1996, and emergency services in March 1997. The adjoining partial construction of Block-D, which is a link between Block-A, the OPD Block-B and the in-patient Block-C has been completed and commissioned in June 1995. The Block-D houses the main reception of the hospital, shopping complex for patients, the telephone exchange, offices



of the Director Principal, Additional Director Administration, Medical Superintendent, the Nursing Superintendent, Academic Section and all the administrative wings including the Accounts, Procurement and Audit. The Services Block has also been completed for providing air-conditioning, medical gases, electricity generators, fire fighting and mortuary. This Services Block has been commissioned in June, 1995, and its services are available for both Blocks A& D.

PHASE-II

The second phase was the completion of Block-B which is the out-patient block. The construction work of this block was started in the financial year 1993-94. The foundation stone of Block B was laid by Shri S.B. Chavan, the Union Home Minister.

After completion this block was inaugurated by Shri Dalit Ezhilmalai, Union Minister of State for Health & Family Welfare on 22.6.1999.



PHASE-III

The construction of the main hospital wing, i.e. Block-C, containing the services of laundry, main kitchen, various wards and 14 operation theatres was started in February, 1995. Its foundation stone was laid by Shri Pranab Mukherjee, the then Deputy Chairman Planning Commission and Union Minister of External Affairs.



It started functioning and was inaugurated by Hon'ble Health Minister Dr. Ambumani Ramadoss on 22.09.2004. The remaining part of Block-D has the departments of Radiodiagnosis, Radiotherapy, Dentistry, Blood Bank, Central Sterile Services Department and the administrative component of various clinical departments of the Medical College.

Construction of Block E, which will house the pre- and para clinical Departments such

as Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Pharmacology, Forensic Medicine and Community Medicine and their allied laboratories was started in 2009 and is likely to be completed soon.

PHASE-IV

In Phase-IV, the construction of Block-F will be started soon. This block will have the central library, college administration, stores and records.

Tele-Medicine Project

Telemedicine project of GMCH was inaugurated by the then Administrator UT

Chandigarh cum Governor Punjab H.E Gen. (Retd) S. F. Rodriques on 16th February 2008.



BLOCK WISE AREA

BLOCK A

5 Floors (45,000 sq. ft. on each floor) Total Area: 2,25,000 sq. ft.

Level-I Obstetrics & Gynaecology, Antenatal Ward, Neonatal Ward, Labour

(OBS/GYNAE) rooms, Premature Nursery, One Operation Theatre.

Level-II Medical area, Surgical Area, Paediatrics Area, Emergency Labs, including

(EMERGENCY) X-rays, three Emergency Operation Theatres.

Level-III Craniospinal Ward, One male Orthopaedics Ward, Cardiothoracic &

(TRAUMA) Abdominal Ward, Burns Unit Ward, I.C.U. Ward, three Operation

Theatres

Level-IV

(PAEDIATRICS) Paediatric Medicine Ward, Paediatric Surgery Ward, Lecture Theatre

Level V Private Wards, Kitchen, Canteen, Lecture theatre

BLOCK B		
5+1 Floors (43,000 sq. ft. on each floor) Total Area: 2,58,000 sq. ft.		
Basement	Central Registration Records, Dispensary Stores, Central Store	
Level-I	Reception Hall, Registration counters, Canteen, Sample Collection Centre,	
	General OPD (about 12 cabins, screening area), Information Technology	
	Centre, CT Scan	
Level-II	Obst/Gynae outpatients & MOT, Family Planning Clinic, Antenatal Clinic,	
	Postpartum Clinic, Physio and occupational therapy	
Level-III	General Surgery OPD, Orthopaedic Surgery OPD, E.N.T. OPD.,	
	Radiodiagnosis Facilities, Day care surgery centre and MOT	
Level-IV	Eye OPD, Chest OPD, Skin & VD OPD, Psychiatry OPD and MOT.	
Level-V	Central Library, Medical OPD, Paediatric OPD, Depa rtment of Forensic	
	Medicine and Department of Community Medicine	

BLOCK C			
7+2 floors (4:	7+2 floors (43000 sq ft on each floor) Total Area 387000 sq ft.		
Level-0	Stores		
Level-1	Main Kitchen, Canteen, Central Sterilization, Hospital Mortuary		
Level-2	Seven Operation Theatres, Pre & Postoperative Ward. High		
	Dependency Unit		
Level-3	Seven Operation Theatres, Intensive Care Unit.		
Level-4	Male & Female Eye, E.N.T. and Orthopaedics Wards,		
Level-5	Male & Female Medical and S urgical Ward, Endoscopy Services		
	and EEG Services, Cardiac Care Unit		
Level-6	Skin/VD, TB & Chest and male and female General Medical Ward.		
Level-7	Private Wards.		

BLOCK D			
5+1 floors Total Area: 2,78,000 sq. ft.			
Level-0	Radiotherapy		
Level-1	Departments of Radiodiagnosis, Radiotherapy, Audit, Accounts		
	Branch.		
Level-2	Transfusion Medicine cum Blood Bank, Department of Dentistry		
	and Oral Surgery		
Level-3	Departments of Orthopaedics, Opthalmology, ENT, General Surgery		
Level-4	Departments of Paediatrics, Obstetrics and Gynaecology, General		
	Medicine, Faculty Lounge		
Level-5	Departments of Pulmonary Medicine, Dermatology, Psychiatry,		
	Anaesthesiology		

DI OCIVE			
BLOCK E	12000 C 1 C) T : 1 A 2 0 7 0 0 C		
,	13000 sq. ft. on each floor) Total Area: 3,87,000 sq. ft.		
	The Block is near completion and likely to be functional by the year end.		
Level-00	Parking		
Level-0	Stores and Records.		
Level-1	Department of Anatomy.		
	Lecture Theatre.		
Level-2	Department of Microbiology, Department of Forensic Medicine		
Level-3	Department of Pathology, Lecture Theatre.		
Level-4	Department of Biochemistry, Department of Community Medicine.		
Level-5	Department of Physiology, Department of Pharmacology		
Level-6	School of Nursing		
Level-7	Convention Center, Medical Education Unit and Canteen.		
Block J			
	rea: 22,772 sq. ft.		
Level-1	Animal House		
Level-2	Genetics center, Central Biomedical Research lab, Departmental		
	Skill labs		
C	C. H D. 9.12		
	College Building		
Level-O	Lecture Theatres 1& 2, Genetic Centre, Department of Physiology,		
	College Auditorium		
Level-1	Department of Biochemistry		
Level-2	Department of Anatomy		
Level-3	Department of Pharmacology		
Level-4	Department of Pathology		
Level-5	Department of Microbiology		

Presently the pre and para-clinical departments of the medical college are housed in the Sarai Building/College Building as a stop gap arrangement adjacent to the main hospital complex. The official functions like Independence Day and Republic Day are celebrated in this complex.



COLLEGE AUDITORIUM

GMCH has a state-of -the -art auditorium for hosting conferences and other functions. The auditorium has a capacity of more than 600 seats and is furnished with latest audio-visual aids and fine acoustics. Various CMEs , Conferences ,Annual Function of the College and other cultural events like Euphoria, Plexus are held regularly in the auditorium, besides other events.



RESIDENTIAL ACCOMMODATION

FACULTY & STAFF HOUSES

Type of House	No. of Houses
Type-VI (for Director)	01
Type-VI	3
Type-V	38
Type-IV	71
Type-III	70
Type-II	22
Type-I	30

HOSTELS

Nurses Hostel	208 Rooms
Boys Hostel	44 Rooms
Girls Hostel	44 Rooms
Doctors Hostel	
Female	28 Rooms
Male	52 Rooms
Married	8 Rooms

LIBRARY

Library of the Government Medical College plays an important role in serving the Medical professionals, like Faculty members, Senior Residents, Junior Residents, Research Fellows, Paramedical Staff and Non Medical professionals like ministerial staff of GMCH. Library provides various services to its readers like Reference Service, Document Delivery, Current Awareness Service, Photocopy, Printing and Scanning Services from the rich collection of Books, Current Journals, Archives, Thesis, Videocassettes and CD-ROMS etc. Library provides Wi-Fi facility to its users 07 days a week.

The collection of Library consists of 11002 no. of books which includes reference, clinical, basic as well as general books. Library subscribes 129 journals,

including 93 international and 36 Indian journals. Library also has a facility of Book Bank for SC/ST students, under which books are issued to the students for the whole year. Library has the membership of ERMED Consortia under which Library has the access of 2700 medical journals (online) from Oxford University Press, Cambridge University Press, Royal Society of Medicine, and American Academy of Paediatrics etc. online Medical Databases.

The Library remains open from 8:00 am to 10:00 pm, including Saturday, Sunday and Gazetted holidays. Two reading rooms remain open for 24 hours.

During financial year 2012-13, Library spent Rs.59, 79,862/- on journals, and the purchase of books is under process for Rs. 16 Lacs.

LITERARY COMMITTEE

The literary committee was started in the year1998. Ever since the Literary committee is instrumental in nurturing the literary and cultural activities of the budding doctors. Each year, the intra college student's festival "Plexus" is organized in the month of August. This is a cultural extravaganza consisting of programmes like dance, music, fashion show, ape a video etc. The star attraction of this festival is the intra

college debate. This programme is judged by eminent luminaries of the city. In 2013 students debated on "Corruption in India-A way of life". Literary committee along with the student editors also publishes the magazine "Glimpse". The magazine showcases the literary proficiency of the students and teachers of this college. "Glimpse" is released every year by the Director Principal on the 9th of September.



UNDERGRADUATE STUDENTS ACHIEVEMENTS: (LITERARY/ ACADEMIC)

Batch 2008	No Literary achievement		
Batch 2009	Avinainder Singh – 2 nd Prize – Medicon 2013, Delhi Best Abstract Category		
	Elsevier Student Ambassador 2013		
	Elsevier Indian Student Mentor 2013-14		
	Publication in Journal of American College of Cardiology "Change in Statin		
	Therapy after coronamy CT Angiography is associated with lower LDL-C without		
	change in 3 year Prognosis: Edward Hulten, Marcio Bitten Court, Avinainder		
	Singh, Ron Blankstein. Journal of American College of Cardiology; March 12,		
	2013, 61(10-5); Doi 10.1016/S0735-1097(13) 61106-7.		
	Sahil Thakur – 2 nd Prize – ICGGM 2012, Picture Presentation Theme		
	"Resilence in Aging"		
	ICMR -STS 2011 -12 with Dr. Monica Gupta, Deptt. of Medicine.		
	Student Editor at Dr. Synapse Official E -Magazine, IMSA		
Batch 2010	Arshpreet (ICMR Project _ Bacteriological profile and antibiogram of urinary tract pathogens in catheterized patients in a tertiary care hospital) with Dr. Varsha Gupta, Deptt. of Microbiology.		
	Aakanksha (ICMR Project – Comparison of ST elevation myocardial infraction in		
	patient above and below 60 yrs. of age)		
Batch 2011	Siddarth Duggal – 1 st Prize – Inter College debate – for the motion Euphoria, 2013		
	on "Education Abroad – an Edge"		
	Smriti Mahajan – Balshree winner		
Batch 2012	No Literary achievement		

CULTURAL COMMITTEE

Since 1992, the institute has very active cultural committee which is nominated by the Director Principal. The committee has faculty as well as student members representing all profs. The Cultural Committee holds various programmes thought out the year.

1. Independence Day & Republic Day Celebrations

The patriotic songs are prepared by MBBS students and nursing staff to celebrate the days of national importance.

2. Annual Day:

The college started on 9th September, 1992 therefore, every year this day is celebrated as annual day of the college. The Director Principal presents the annual report of the college. The students prepare a literary magazine "Glimpse" which is released on this day by the Chief Guest. Afterwards there is a cultural programme which includes songs, folk dances, skits etc.

3. Euphoria:

Euphoria is an amalgamation of literary, cultural and sports events where all

adjoining medical and allied colleges are invited to participate. In 2013 the function was held on 13th February, 2013 to 17th February, 2013 in which more than 35 institutes and around 1000 students participated. The competitions were held for sports like cricket, football, basketball, volleyball and some indoor games. Cultural events included song competitions, folk / western dance competitions, skits, debates and fashion show.

The highlight of Euphoria 2013 was its star night. Famous Punjabi Singer Diljit Dosanjh performed on Valentine's day. Rock night performance was by famous Delhi based band "The local Train". And the Bollywood night witnessed the presence of Indian and Punjabi Cinema Actors - Jimmy Shergill, Neha Dhupia, Beenu Dhillon. Euphoria 2013 will be remembered for a long time.



Every year the institute recommends the names of MBBS students who participate in inter medical college cultural events held at Delhi (PULSE); Inter medical college

function held at Shimla (STIMULUS) and function held at PGIMER, Chandigarh. Around 50-60 students participate in these events annually.

ACHIEVEMENTS IN SPORTS FOR THE YEAR 2012-13

The Government Medical College, Chandigarh ensures that students actively participate in extra-curricular activities. For this, we have regular Annual Indoor and Outdoor Sports events in which students participate. The students also participate in Inter-College events held in different Medical Colleges in India. Students of our college have won prizes in many of these events. The results of various events in the last year are as under.

SPRING FEST 2013 held at PGIMER -CHANDIGARH

S.No	Event		Position
01.	Cricket Team	(Boys)	1 st position
02.	Basket Ball Team	(Boys)	1 st position
03.	Badminton Team	(Boys)	2 st position



(B) EUPHORIA – 2013 held at GMCH-32, CHANDIGARH

S.No	Event		Position
01.	Basket Ball Team	(Boys)	1 st position
02.	Football Team	(Boys)	1 st position

(C) XX ANNUAL ATHLETIC MEET -2013 held at GMCH-32, CHANDIGARH

S.No	Event	Position
01.	Himmat Singh Brar	Best Athlete
	2K10 Batch (Boys)	
02.	Aditi Aggarwal	Best Athlete
	2K11 Batch (Girls)	
03.	Deepak Verma	Best Athlete
	2K10 (B.Sc.Boys)	

(D) SPRING FEST 2013 held at IGMC, Shimla

S.No	Event		Position
01.	Basket Ball Team	(Boys)	1 st position
02.	Foot Ball Team		1 st position
	(Boys)		
03.	Cricket Team	(Boys)	2 st position

MEDICAL SUPERINTENDENT'S REPORT

Faculty

Prof. AK Janmeja Medical Superintedent

Prof. Ram Singh Deputy Medical Superintendent
Dr. R K Bansal Deputy Medical Superintendent

POOR PATIENT FUNDS

1. UT illness fund:

UT illness fund is provided by the UT Administration Chandigarh for the help of poor patients residing in Union Territory, Chandigarh. The necessary documents of the patient i.e. Residence proof, Income proof/ Affidavit are verified initially and if the documents are found proper, the estimate of treatment is prepared. After approval of 75% of the amount needed for the treatment is sanctioned by the committee constituted.

2. Specific Poor Patient Welfare Fund:

Under this fund donations are collected for the treatment of a specific patient. The advertisement for the same are given in the local leading newspapers about the patient's condition and the treatment expenditure. The donations in the form of cheques are collected under this fund under Medical Superintendent.

3. Poor Patient Fund:

Upto Rs. 2000/- financial help is provided for Poor/diet free patients under this fund by Medical Superintendent. This aid is provided only once to the patient. The money is

collected through the donation boxes installed in various areas of the GMCH.

4. Medical Advances:

Medical Advances are managed under Medical Superintendent for the treatment of patients registered under various Govt./ Semi Govt. agencies i.e. ESIC, CRPF, Ambala School Health etc. The Chief Minister Relief Fund (Cancer control Cell) is also managed under Medical advance for the treatment of cancer patients.

RECEPTION:

"May I help U" counter has been established in GMCH, recently for providing patient friendly Emergency Services. These counters have been established in hospital 'Emergency Block' & 'OPD Block'.

"May I help U" is being manned by well trained manpower to provide patient friendly services round the clock to address their queries & difficulties. Also porters have been deputed to help the patients in receiving them on trolleys/wheel chairs from ambulances, taking to the emergency areas, wards, investigations area, CT scan etc.

S.No.	Name of work	Date of Commen- cement	Date of Completion as per Agreemen
1	The contract for Pest Control Services (The work involves providing of pest control services, rodent control etc. in different Areas / Departments of this Institution such as Block-A, B, C, D, L and M of Hospital premises, College Building, Hostel Complex, UHTC, Sector- 44, Chandigarh and RHTC Palsora was awarded to M/s J.S. Pest Control Services., Chandigarh vide this office Contract letter No. GMC-E-IV-EA-1(17/1 Vol-2)2011/5423 dated 01.02.2011.	10.02.2012	10.02.2014
2.	The contract for the operation of Laundry Plant for the Washing / Dry Cleaning and informing of Hospital linen including comprehensive maintenance of Boiler and other machinery and equipment provided in Laundry of Govt. Medical College Hospital, Sector 32, Chandigarh was awarded to M/s Sh. Syed Shubuddin (Proprietor) of M/s Kleen Rite Enterprises (Regd.) 22, Industrial Area, Near Gali No. 12, New Rohtak Road, Anand Parbhat, New Delhi vide this Office Memo No. GMCH/IV-EA-I/07/33259 dated 21.08.2007. List of the Machinery of Laundry Plant GMCH is attached at Annexure-A.	1.10.2008	31.10.2013

ANNEXURE A

Sr. No.	Name of the Machinery/ Equipment	Qty.	Make
1.	Washing Machines	3 nos.	Kleen Rite/Lucky as per site
2.	Sluicing Machine	2 no.	Kleen Rite/Lucky as per site
3.	Hydro Extractor	3 nos.	Kleen Rite/Lucky as per site
4.	Drying Tumbler	3 nos.	Kleen Rite/Lucky as per site
5.	Flat bed press	1 no.	Kleen Rite/Lucky as per site
6.	Ironing table	4 nos.	Kleen Rite/Lucky as per site
7.	Wash room Trolley/Dry linen	12 nos.	Sintex/Lucky as per site
8.	Steam boiler	2 no.	Thermax/Lucky as per site
9.	Single stage air compressor	1 no.	ELGI as per site
10.	Flat Bed Iron	2 no.	Kleen Rite/Lucky as per site
11.	Centrifugal Pump Set	2 Nos.	Lucky as per site

NURSING SERVICES

The Acting nursing superintendent is running the nursing department with the help of 06 Assistant Nursing Superintendents (ANS), 55 Nursing sisters and 577 staff-nurses.

Two hundred seventy four (274) new officials have joined in the department as staff nurses, five staff nurses promoted as nursing sister and one nursing sister promoted as ANS respectively.

International nurses week 12th May to 18th May 2012:

During the International nurses week various activities were organized i.e talk on the theme closing the gap "Nurses Enhancing Access and Equity". Health education was given to general public on awareness on regarding health services available from primary to tertiary level. Poster competition was also held on International Nurses Day themes 2012 to encourage the nursing staff for participation in extracurricular activities.

Similarly, for raising the Morale of the Nursing Staff a competition was organized for choosing "The Best Ward". A Duly constituted committee visited various areas of the Hospital and the Oncology Ward of Block A was selected as Best ward and awarded on the eve of 15th August, 2012.

Educational Activities:

- Four days orientation programme was conducted for 274 newly joined staff nurses in five batches to orient them with the functioning of the institute and smooth functioning for patient care.
- 2. Forty Three nursing officials participated in GFATM workshop for training of nurses to combat with AIDs, tuberculosis and malaria at NINE PGIMER, Chandigarh.
- 3. Two hundred nursing officials attended the workshops on learning nursing care techniques through simulation, therapeutic communication and sensitization programme on NACP-10 training matrix.
- 4. Every week nursing officials have attended the classes on awareness of eye donation.
- Nursing staff also participate regularly in pulse polio campaign, eye surgery camps & blood donation camps organized by GMCH 32, Chandigarh.
- 10 staff nurses are posted in newly started specialized department i.e. 5 for labour analgesia, 5 for actue pain management of patients and one in genetic centre.

Infection control:

One staff-nurse is posted in microbiology to look after the hospital acquired infection rate and surveillance purposes. Many staffnurses attended the sensitization programme on hand hygiene organized by microbiology department.



SECURITY SERVICES

Contract for "Round the Clock Security & Fire Prevention Services" has been awarded to M/s. Terrier Utility Services (P) Ltd., SCO 373, Sector-37, Chandigarh w.e.f. 01.08.2010 for a period of three years i.e. up 31.07.2013. Under the said contract following categories of personnels are being provided by the Service Provider:

S. No.	Name of the Cateogry	No. of Personnel	
1.	Security –cum-Fire Inspector	10	
2.	Security Supervisor/Fireman	15	
3.	Security Guard	190	
	Total	215	

STATISTICS OF THE HOSPITAL

SERVICE WISE ADMISSION REGISTRATION FOR THE MONTH OF JANUARY TO DECEMBER 2012

TOTAL	3352	3243	3298	3245	3746	3398	3942	4123	4330	4295	3637	3437	44046
PMR	0	0	0	0	0	0	0	0	0	0	0	0	0
RADIO/ONC	73	71	62	87	102	83	103	91	91	103	88	84	1052
PUL MED	68	90	86	95	113	108	121	1115	123	111	120	115	1298
PSY	39	48	7 7	15	45	30	7 †	75	09	64	75	14	615
SKIN	42	9	50	56	29	44	99	41	42	4	38	40	585
SURGERY	436	461	487	504	539	484	543	999	578	225	444	444	6002
PED	240	243	261	212	327	370	326	436	545	551	266	330	4107
GYNAE	1196	1054	953	979	1136	1033	1294	1448	1441	1404	1245	1173	14356
MEDICINE	633	577	999	265	707	929	812	194	892	884	684	11/5	8023
EYE	198	213	301	260	251	157	167	160	256	256	263	235	2717
ENT	129	132	146	129	124	127	167	1117	118	132	113	56	1529
ОКТНО	275	289	314	275	334	306	401	340	316	333	328	303	3814
DENTAL	2	0	0	0	1	0	2	6	7	8	6	9	4
SERVICE	January	February	March	April	May	June	λjnſ	August	September	October	November	December	Total

SERVICE WISE NEW EMERGENCY REGISTRATION FOR THE MONTH OF JANUARY TO DECEMBER 2012

	TOTAL	5736	5577	6248	5323	7120	6810	7650	7551	9480	10980	6602	5634	84711
MDR.	TB	0	0	0	0	0	0	0	0	0	0	1	0	1
	PAC	0	0	0	0	0	0	0	0	0	0	0	0	0
	PMR	0	0	0	0	0	0	0	0	0	0	0	0	0
	RADIO/ONC	6	3	5	3	5	6	7	6	7	11	9	10	81
	PUL MED	12	11	11	8	6	15	13	12	14	13	10	14	142
	PSY	47	34	51	36	47	25	41	22	44	39	76	39	480
	SKIN	23	38	52	34	51	46	52	36	33	27	32	34	458
	SURGERY	1000	1012	1212	1096	1280	1273	1559	1286	1317	1235	1139	1048	14457
	PED	999	454	521	200	804	693	726	721	1095	1227	515	501	8287
	GYNAE	970	832	171	655	865	891	1034	1181	1235	1125	066	953	11502
	MEDICINE	1916	1930	2073	1716	2467	2345	2504	2667	4180	5820	2452	1704	31774
	EYE	114	137	168	124	142	104	136	129	151	132	151	136	1624
	ENT	202	206	272	202	219	248	231	244	235	239	221	218	2737
	ORTHO	855	988	1076	903	1186	1130	1302	1209	1133	1077	1014	911	12682
	DENTAL	31	34	36	46	45	32	45	35	36	35	\$	99	486
	SERVICE	January	February	March	April	May	June	July	August	September	October	November	December	Total

SERVICE WISE NEW OPD REGISTRATION FOR THE MONTH OF JANUARY TO DECEMBER 2012

TOTAL	5852	6715	8417	8401	9362	8621	8618	8542	9421	8497	6017	9029	95169
MDR-TB	0	0	0	0	0	0	0	0	0	0	0	0	0
PAC	0	0	1	0	0	0	0	0	1	0	0	0	2
PMR	1	1	0	1	0	1	0	0	0	1	1	2	8
RADIO/ONC	39	47	63	45	57	55	19	69	20	54	42	45	627
PUL MED	245	316	386	518	414	416	298	318	353	586	207	253	4010
PSY	172	209	220	222	289	274	225	236	247	225	143	179	2641
SKIN	576	604	802	669	846	807	814	792	983	606	593	664	6806
SURGERY	612	648	809	832	882	898	626	930	976	826	620	644	9226
PED	286	361	397	424	507	396	433	451	695	292	274	300	4965
GYNAE	710	728	753	874	931	821	006	848	849	829	591	962	9479
MEDICINE	1064	1151	1495	1616	1694	1546	1622	1636	2021	1880	1178	11 12	18015
EYE	544	692	975	798	936	911	777	774	821	819	613	800	9460
ENT	009	693	891	721	918	854	608	968	066	814	909	029	9412
ОКТНО	830	1129	1400	1441	1641	1446	1495	1344	1404	1230	954	1071	15385
DENTAL	173	166	225	210	247	226	205	248	207	208	195	190	2500
SERVICE	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL

SERVICE WISE REVISIT EMERGENCY REGISTRATION FOR THE MONTH OF JANUARY TO DECEMBER 2012

TOTAL	1692	1757	1893	1679	2256	1996	2101	2205	2561	3036	1967	1877	25020
MDR- TB	0	0	0	0	0	0	0	0	0	0	0	0	0
PAC	0	0	0	0	0	0	0	0	0	0	0	0	0
PMR	0	0	0	0	0	0	0	0	0	0	0	0	0
RADIO/ONC	13	7	7	7	11	14	7	10	10	5	8	40	139
PULMED	14	15	18	9	23	10	16	17	18	6	14	22	182
PSY	120	106	80	72	115	97	81	62	71	76	84	97	1061
SKIN	27	12	22	23	23	25	27	26	14	13	20	38	270
SURGERY	191	163	147	184	244	257	238	254	246	243	220	231	2588
PED	387	354	384	335	418	284	317	316	404	528	777	286	4290
GYNAE	194	197	201	170	259	253	244	285	267	263	193	185	2711
MEDICINE	549	647	750	979	827	759	875	930	1214	1599	862	099	10298
EYE	31	24	4	47	49	46	20	32	47	38	25	57	490
ENT		57	46	44	41	45	40	47	42	84	47	32	523
ORTHO	150	166	172	149	209	182	183	206	208	161	184	203	2203
DENTAL	12	9	22	16	37	24	23	20	20	23	33	26	265
SERVICE		February	March	April	May	June	July	August	September	October	November	December	Total

SERVICE WISE REVISIT OPD REGISTRATION FOR THE MONTH OF JANUARY TO DECEMBER 2012

															MDR-	
SERVICE	DENTAL	ORTHO	ENT	EYE	MEDICINE GYNAE	GYNAE	PED	SURGERY	SKIN	PSY	PUL MED	RADIO/ONC	PMR	PAC	TB	Total
January	561	2862	1602	2248	4671	3454	1789	2659	1417	1555	1589	584	9	7	0	25004
February	639	3190	1808	2433	5473	3591	1940	2924	1542	1605	1746	624	2	6	0	27526
March	699	3863	2197	3497	6154	3854	2200	3432	1880	1815	2035	634	6	11	0	32250
April	557	3570	1932	2970	5508	3531	1905	2986	1686	1631	1613	646	12	20	0	28567
May	673	4362	2260	3369	6710	4368	2385	3373	1957	2003	1916	764	18	15	0	34173
June	745	4038	2120	2891	6051	4207	1981	3317	1889	1781	1675	730	14	21	0	31460
July	648	4336	1993	2892	6192	4886	2259	3813	1886	1934	1513	761	12	27	0	33152
August	623	4263	2130	2700	6279	4645	2155	3759	1867	1947	1684	992	16	13	0	33147
September	761	4336	2342	2884	7270	4558	2570	4062	2187	2022	1807	069	20	19	0	35528
October	633	3879	2185	2946	7577	4075	2613	3420	1981	1978	1629	747	14	26	2	33705
November	592	3167	1737	2491	5364	3523	1741	2841	1588	1696	1334	632	13	18	29	26766
December	089	3628	1849	2918	9809	3869	1763	2934	1638	1776	1410	726	16	12	28	28333
Total	7781	45494	24155	34239	72635	48561	25301	39520	21518	21743	19951	8304	152	198	59	369611

SERVICE WISE ADMISSION REGISTRATION FOR THE MONTH OF JANUARY TO JULY 2013

SERVICE	DENTAL	ORTHO	ENT	EYE	MEDICINE	GYNAE	PED	SURGERY	SKIN	PSY	PUL MED	RADIO/ONC	PMR	TOTAL
January	11	266	66	176	692	1240	586	423	40	90	130	78	0	3491
February	∞	279	66	248	635	1033	244	442	43	47	113	89	0	3259
March	9	368	125	330	628	1049	268	208	47	40	125	77	0	3571
April	0	342	147	218	592	806	258	532	38	49	147	108	0	3339
May	0	346	156	211	009	961	323	554	42	49	159	139	0	3540
June	0	313	138	159	549	1061	313	534	40	34	143	133	0	3417
July	2	366	177	162	635	1398	419	280	36	40	171	138	0	4124
Total	27	2280	941	1504	4331	7650	2111	3573	286	309	886	741	0	24741

SERVICE WISE NEW EMERGENCY REGISTRATION FOR THE MONTH OF JANUARY TO JULY 2013

			ĺ	Ī												Ī
															MDR-	
SERVICE	DENTAL	ORTH0	ENT	EYE	MEDICINE GYNAE	GYNAE	PED	SURGERY	SKIN	PSY	PUL MED	RADIO/ONC	PMR	PAC	TB	TOTAL
January	58	852	232	138	1989	1035	488	876	32	51	13	4	0	0	0	5870
February	32	877	202	130	1975	807	456	856	19	52	10	4	0	0	0	5522
March	37	1178	240	209	2117	932	500	1167	22	53	13	10	0	0	0	6478
April	49	1112	260	139	2049	779	546	1210	32	37	12	8	0	0	0	6233
May	41	1229	260	133	2213	839	703	1324	32	59	15	9	0	0	0	6854
June	63	1215	266	120	2192	996	584	1358	40	38	13	3	2	0	0	0989
July	63	1271	278	145	2784	1182	782	1524	35	76	6	2	0	0	0	8151
Total	343	7734	1738	1014	15319	6540	4059	8519	212	366	82	37	2	0	0	45968

SERVICE WISE NEW OPD REGISTRATION FOR THE MONTH OF JANUARY TO JULY 2013

															MDR-	
SERVICE	DENTAL	ORTH0	ENT	EYE	MEDICINE	GYNAE	PED	SURGERY	SKIIN	PSY	PUL MED	RADIO/ONC	PMR	PAC	TB	TOTAL
January	192	096	594	633	1073	738	306	619	583	184	277	36	3	0	0	8619
February	199	1108	732	694	1242	797	358	758	637	217	316	54	2	0	0	7114
March	278	1496	925	1028	1559	807	328	901	857	218	366	99	4	0	0	8823
April	272	1477	716	939	1485	932	443	1054	862	262	371	48	3	1	0	9126
May	280	1306	901	912	1641	923	491	991	814	257	335	29	2	0	0	8920
June	310	1257	857	908	1470	855	404	993	872	235	317	41	2	0	0	8419
July	282	1502	1145	915	2040	1010	220	1069	1052	284	326	32	0	0	0	10230
TOTAL	1813	9106	6131	5927	10510	6062	2880	6385	2011	1657	2308	357	16	_	0	58830

SERVICE WISE REVISIT EMERGENCY REGISTRATION FOR THE MONTH OF JANUARY TO JULY 2013

															MDR-	
SERVICE	DENTAL	ORTHO	ENT	EYE	MEDICINE	GYNAE	PED	SURGERY	SKIN	PSY	PUL MED	RADIO/ONC	PMR	PAC	EI	TOTAL
January	28	195	65	28	718	213	298	222	28	139	27	33	0	0	17	2005
February	78	175	51	27	727	180	338	165	26	120	19	27	0	0	0	1883
March	30	238	57	49	788	202	280	228	18	88	23	24	0	0	0	2026
April	15	273	09	57	928	201	370	257	26	74	33	20	0	0	0	2262
May	31	272	41	37	926	245	358	289	34	106	28	21	0	0	0	2438
June	38	253	19	57	944	243	311	300	33	206	40	32	1	0	0	2519
July	24	235	88	\$	1101	697	427	299	40	153	38	30	0	0	0	2758
Total	194	1641	417	309	6130	1553	2382	1760	205	887	208	187	_	0	17	15891

SERVICE WISE REVISIT OPD REGISTRATION FOR THE MONTH OF JANUARY TO JULY 2013

														_	MDR	
SERVICE	DENTAL	ORTHO	ENT	EYE	MEDICINE GYNAE	GYNAE	PED	SURGERY	SKIN	PSY	PUL MED	RADIO/ONC	PMR	PAC	TB	Total
January	799	3323	1640	2490	4451	3638	1643	2634	1472	1669	1460	9//	14	7	13	25892
February	695	3358	1678	2656	4768	3195	1791	2858	1536	1736	1457	724	15	6	32	26382
March	691	4003	2233	3528	9909	3538	1907	3480	1970	1927	1937	752	17	9	23	32078
April	655	4278	2400	3579	5964	3917	1982	3807	2046	2090	1821	846	39	6	22	33485
May	775	4445	2190	3375	6582	4138	2189	4017	1987	2021	2027	790	42	3	23	34604
June	701	3862	1944	2886	5801	4071	1744	3561	1797	1838	1483	646	24	4	18	30380
July	807	4674	2559	3118	7799	5070	2299	4131	2405	2420	2084	836	38	10	==	38261
Total	4860	27943	14644	21632	41431	27567	13555	24488	13213	13701	12299	5370	189	48	142	221082

REPORT OF ACCOUNTS DEPARTMENT

- Major Projects /Programmes undertaken / to be undertaken during the current financial year 2012-2013.
- HIMS including Computers and Computer peripherals systems, applications of RDBMS etc are to be upgraded to the achieve the state of the art level.
- 2. Setting up of Super specialty services such as neuroscience centre consiting of neurology, neurosurgery and Cardio Care Centre consisting of Cardiology and Cardio Thoracic surgery is the aim in this year.
- 3. There is plan to start the NursingCollege, Para Medical degree courses/B.Sc Courses and steps will be taken to achieve the target in this financial year.
- 4. There is proposal for starting of Drug

- De-addiction Centre, Rural training Centre.
- 5. Setting up of CT Scan Machine to facilitate the general public at large.
- 6. Setting up of MRI Machine to facilitate the general public at large.
- 7. Steps will be taken for completion of Block-E & Block-J in the current year.
- 8. Land for Regional Trauma Centre Sector-53, Chandigarh has been allotted and boundary wall has been completed. Steps will be taken for starting of work of Trauma Centre.
- 9. The proposal for the Mental Health Institute has been sent to Secretary Ministry of Health and Family Welfare, Govt. of India and steps will be taken for starting the work for which budget of Rs 100 lac has been received.

MONTHLY REVENUE RECEIPTS STATEMENT UPTO THE MONTH OF MARCH- 2013

(Rupees in Thousands)

						(R	upees in Thousands
Major Head/Tailed Head	Budget	Proportionate	Receipt up	Revenue	Total	Variations	Reasons of
Account		Receipt up to the	to previous	receipt during	Receipt	Between	Variations
	Estimate	month of report	month	the month of	=:	Col. 6 & 3	
	2012 -13			March, 2013	(4+5)		
1.	2.	3.	4.	5.	6.	7.	8.
0210 - Medical & Public Health	120000	120000	148263	21876	170139	(+)50139	-
03 -Medical Education							
Training & Research							
80-General							
810 -Other Receipts of							
Govt.MedicalCollege,							
Chandigarh							
TOTAL			148263	21876	170139	(+)50139	-

MONTHLY PROGRESS REPORT UPTO THE MONTH OF MARCH-2013 DURING THE YEAR 2012-13.

(Rupees in Thousands)

						(Rupees in Thousands)
2210-Ministry and Public Health 05 - Medical Education Training Research	Budget Estin	nate 2012 -13	Expenditure mo	during the	Progressi	ve Expenditure
105-Allopathy 21-Government Medical College	Plan	Non-Plan	Plan	Non-Plan	Plan	Non-Plan
Salaries	68010	685000	10364	6361	68010	685000
Medical Expenses	1155	2200	521	8	1155	2200
Domestic Travel Expenses	0	1150	0	349	0	1149
Office Expenses	48200	37700	10897	7700	48200	37700
Material and Supplies	80435	3000	32522	0	80435	3000
	91800	72000	8029	11271	91800	72000
Other Charges						
Total -2210	289600	801050	62333	25689	289600	801049

4210 -Capital Outlay on Medical & Public Health 03 -Medical	Budget Estin 2012 -13	mate	Expenditure the mo	Ü	Progres Expendi	
Education(Training & Research) 105 -Allopathy 03 -Government Medical College/500 Bedded Second G H, Sector -32, Chandigarh	Plan	Non - Plan	Plan	Non - Plan	Plan	Non - Plan
Motor Vehicles	500	100	139	10	500	100
Machinery and Equ ipment	103500	5000	37342	182	103500	5000
Major Works						
Other Capital Expenditure						
(Mental Health Institute)						
Total -4210	104000	5100	37481	192	104000	5100
Grand Total	393600	806150	99814	25881	393600	806149
Grand Total	393600	806150	99814	25881	393600	806

Brief Note on Physical and Financial Achievement during the last Financial Year 2012-13 and major projects/programmes undertaken/ to be undertaken during the current financial year 2012-13 (as on 31-03-2013) is as under:-

FINANCIAL AS WELL AS PHYSICAL ACHIEVEMENTS FOR THE YEAR 2012-13

The GMCH has been allocated budget of Rs 39.36 Crore under the plan head. The Physical achievement against the amount spent sub head wise as under:-

Amount allocated under 2210 -Medical and Public Health	Budget Estimate 2012 -13(In Thousand)	Expenditure 2012 -2013 (in thousand) Upto 31.03.13	Details of Physical Targets
Salary	68010	68010	Pay and allowances to the Doctors, Nurses, Ministerial Staff, Paramedical staff recruited within 3 year.
Medical Expenses	1155	1155	Amount has been spent on Medical Treatment
Office Expenses	48200	48200	Amount has been spent on advertisement, petrol and Diesel Telephone bills, electricity & water charges bills, books and journals for library, book allowance to the resident doctors.
Supplies & Materials	80435	80435	Amount has been spent on resent kits, ARC of Chemicals, Computer, Furniture Drugs, Medicines, Medical gases, Infusion pumps, Sterilizer X-ray films, experimental Animals, X-rays hangers Catheters, Sutures etc.
Other Charges	91800	91800	The amount has been expanded on wage bills for outsourcing of various services such as round the clock security services, Laundry services Catering Services, Paramedical & General services in the institution
Total	289600	289600	
Motor Vehicle	500	500	The amount has been spent on purchase of vehicle in replacement to various vehicles after condemnation for hospital use i.e. S.M. Super 2T 54TC III-01 No, Winger Ambulance-01, Repair of vehicles and POL etc.

Machinery & Equipment	103500	103500	The amount has been spent for purchase of various major equipments, Machinery such as Pediatric Ventilator, End vision Camera, Arthroscopic Unit, Patient Warmer System, Haemodialysis Machine, Channel EMG System, HDR Brach therapy Machine, Bio safety Cabinet (laminar Flow), Mycobaeteruyn Tuberculosis, Mycoplasma pneumonia, Carbon and Nitrogen assimilation of yeast and antifungal susceptibility testing, Real Time PCR Machine.
Total	104000	104000	
Total A + B	393600	393600	
Works	110436	110436	Amount spent on completion of Block E & J. Boundary wall of Regional Trauma Centre has been completed.
G.Total	504036	504036	

PART II REPORTS OF FACULTY DEPARTMENTS

DEPARTMENT OF ANAESTHESIA & INTENSIVE CARE

Faculty

Satinder Gombar	Professor & Head	MD
Sukanya Mitra	Professor	MD,MAMS
Lakesh K. Anand	Professor	MD
Sanjeev Palta	Associate Professor	MD
Deepak Thapa	Associate Professor	DA, DNB
Dheeraj Kapoor	Assistant Professor	MD
Manpreet Singh	Assistant Professor	MD
Vanita Ahuja	Assistant Professor	MD
Richa Saroa	Assistant Professor	MD
Jasveer singh	Assistant Professor	MD
Ashish Kulshrestha (Joined on 03.12.12)	Assistant Professor	MD

Dr. Satinder Gombar

- 1. Prof Satinder Gombar Awarded International Travel Grant by University Grant Commission to present her research work at the annual meeting of International Anaesthesia Research Society (IARS) held at Boston, USA, May 18-21, 2012.
- 2. Work entitled "Airway Management in low Tracheal Tumour-an anaesthetic challenge." presented by Prof. Satinder Gombar at the annual meeting of International Anaesthesia Research Society held in May, 2012 at Boston, U.S.A. was nominated as one of the six best of the meeting abstracts.
- 3. Basic Life Support (BLS) Provider Certification accredited by the American Heart Association (AHA)
- 4. Advanced Cardiac Life Support (ACLS) Provider Certification accredited by the American Heart Association (AHA)

- 5. Advanced Cardiac Life Support (ACLS) Instructor Certification accredited by the American Heart Association (AHA)
- 6. Advanced Trauma Life Support (ATLS) Provider Certification accredited by the American Trauma Association (ATA)
- 7. Basic Level I provider course in Echocardiography in Emergency & Critical Care

Dr. Sukanya Mitra

- 1. Prof Sukanya Mitra awarded travel grant by International Association for Study of Pain (IASP), to present her research work at Milan Italy, (August 26-31, 2012).
- 2. INTERNATIONAL AWARD International Association for the Study of Pain (IASP) Grant for Project for improving pain education in developing countries, entitled "Pain education in graduate medical school in India feasibility and efficacy of a new model" July 2013

Dr. Lakesh KAnand

- Certificate of appreciation for rendering exemplary humanitarian service and demonstrating extraordinary skills in the field of anaesthesia thus healing the lives of "of people of Republic of Rwanda" during the Rotary Medicare Mission Camp held at Kigali from 21st April to 3rd May 2012.
- Co-author for "Comparison of cuff-pressure changes in proseal and supreme laryngeal mask during (Nitrous oxide) general anaesthesia in laparoscopic cholecystectomy patients" Adjudjed First in the peer reviewed E-Paper Competition during AIRWAY 2012 on February 3-5 2012, held at MAMC, New Delhi.
- 3. Awarded Fellowship of International Medical Sciences Academy (FIMSA) October 2009
- 4. Awarded Fellowship of American College of Chest Physicians (FCCP) October 2010
- 5. Awarded membership of the National Academy of Medical Sciences (NAMS) in 2010
- 6. Basic Life Support (BLS) Provider Certification accredited by the American Heart Association (AHA)
- 7. Advanced Cardiac Life Support (ACLS) Provider Certification accredited by the American Heart Association (AHA)
- 8. Advanced Cardiac Life Support (ACLS) Instructor Certification accredited by the American Heart Association (AHA)

Dr. Deepak Thapa

1. FCCS provider course 24 - 25 August 2012

- 2. Basic Life Support (BLS) Provider Certification accredited by the American Heart Association (AHA)
- 3. Advanced Cardiac Life Support (ACLS) Provider Certification accredited by the American Heart Association (AHA)
- 4. Advanced Cardiac Life Support (ACLS) Instructor Certification accredited by the American Heart Association (AHA)
- 5. PDCC in Chronic Pain Management at BHU Varanasi

Dr. Dheeraj Kapoor

- 1. Fellow of the American College of Chest Physicians (FCCP)
- 2. Fellow of the Academic College of Emergency Expert in India (FACEE)
- 3. Basic Life Support (BLS) Provider Certification accredited by the American Heart Association (AHA)
- 4. Advanced Cardiac Life Support (ACLS) Provider Certification accredited by the American Heart Association (AHA)
- 5. Advanced Cardiac Life Support (ACLS) Instructor Certification accredited by the American Heart Association (AHA)
- 6. Primary Trauma Care (PTC) Provider Certification accredited by the World Federation Society of Anaesthetists
- 7. Pediatric Advance Life Support (PALS) Provider Certification accredited by the American Heart Association (AHA) and Indian Association of pediatrics (IAP)
- 8. Neonatal Advance Life Support (NALS) Certification accredited by the National Neonatology Forum (NNF)
- 9. Fundamental Critical Care Support Course (FCCS) Provider Certification accredited by Society of Critical Care Medicine (SCCM)
- 10. Fundamental Critical Care Support Course (FCCS) Instructor Certification accredited by Society of Critical Care Medicine (SCCM)
- 11. AIIMS Ultrasound Trauma Life Support (AUTLS) Provider Certification accredited by All India Institute Of Medical Science (AIIMS)
- 12. Comprehensive Trauma Life Support (CTLS) Provider course Certification accredited by International Trauma Care (ITACCS-Indian Chapter)
- 13. Basic Course in Medicine & Law-For Doctors accredited by Institute Of Medicine & Law, Mumbai, India
- 14. Comprehensive Natural Disaster Risk Management Framework-Web Based Course accredited by World Bank Institute and National Institute of Disaster Management (NIDM)

15. Certificate course in Acupuncture conducted by "Acupuncture Association of India" India.

Dr. Manpreet Singh

- 1. Fellow of the American College of Chest Physicians (FCCP)
- 2. Fellow of the Academic College of Emergency Expert in India (FACEE)
- 3. Basic Life Support (BLS) Provider Certification accredited by the American Heart Association (AHA)
- 4. Advanced Cardiac Life Support (ACLS) Provider Certification accredited by the American Heart Association (AHA)
- 5. Advanced Cardiac Life Support (ACLS) Instructor Certification accredited by the American Heart Association (AHA)
- 6. Pediatric Advance Life Support (PALS) Provider Certification accredited by the American Heart Association (AHA) and Indian Association of pediatrics (IAP)
- 7. Neonatal Advance Life Support (NALS) Certification accredited by the National Neonatology Forum (NNF)
- 8. Fellow of International Medical Sciences Academy (FIMSA)
- 9. Fundamental Critical Care Support Course (FCCS) Provider Certification accredited by Society of Critical Care Medicine (SCCM)
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- 11. Comprehensive Trauma Life Support (CTLS) Provider course Certification accredited by International Trauma Care (ITACCS-Indian Chapter)
- 12. Comprehensive Natural Disaster Risk Management Framework-Web Based Course accredited by World Bank Institute and National Institute of Disaster Management (NIDM)
- 16. AIIMS Ultrasound Trauma Life Support (AUTLS) Provider Certification accredited by All India Institute Of Medical Science (AIIMS)
- 17. Basic Course in Medicine & Law-For Doctors accredited by Institute Of Medicine & Law, Mumbai, India

Dr. Vanita Ahuja

- 1. Fellow American College of Chest Physicians (FCCP) September 2012
- 2. Fundamental Critical Care Support Course (FCCS) Provider Certification accredited by Society of Critical Care Medicine (SCCM)
- 3. Fundamental Critical Care Support Course (FCCS) Instructor Certification accredited by Society of Critical Care Medicine (SCCM) 2013

- 4. Basic Life Support (BLS) Provider Certification accredited by the American Heart Association (AHA).
- 5. Advanced Cardiac Life Support (ACLS) Provider Certification accredited by the American Heart Association (AHA).
- 6. Advanced Cardiac Life Support (ACLS) Instructor Certification accredited by the American Heart Association (AHA).
- 7. Pediatric Advance Life Support (PALS) Provider Certification accredited by the American Heart Association (AHA) and Indian Association of Pediatrics (IAP).

Dr. Richa Saroa

- Research work entitled "Airway Management in low Tracheal Tumour-an anaesthetic challenge." Co-authored by Dr. Richa presented at the annual meeting of International Anaesthesia Research Society held in May, 2012 at Boston, U.S.A. and was nominated as one of the six best of the meeting abstracts.
- 2. Basic Life Support (BLS) Provider Certification accredited by the American Heart Association (AHA).
- 3. Advanced Cardiac Life Support (ACLS) Provider Certification accredited by the American Heart Association (AHA).
- 4. Advanced Cardiac Life Support (ACLS) Instructor Certification accredited by the American Heart Association (AHA).
- 5. Fundamental Critical Care Support Course (FCCS) Provider Certification accredited by Society of Critical Care Medicine (SCCM).
- 6. Fundamental Critical Care Support Course (FCCS) Instructor Certification accredited by Society of Critical Care Medicine (SCCM) 24 25 August, 2012.
- 7. Comprehensive Trauma Life Support (CTLS) Provider course Certification accredited by International Trauma Care (ITACCS- Indian Chapter).
- 8. Ultrasound life support provider 2013.

Dr. Jasveer Singh

1. Neonatal Advance Life Support (NALS) Certification accredited by the National Neonatology Forum (NNF).

Memberships with Executive Committee/Conference Organized/Membership of professional Bodies

Dr. Satinder Gombar

- 1. Elected President of North Zone Indian Society of Anaesthesia for the year 2012-13.
- 2. Organizing Secretary,13th Annual Conference of ISA (North Zone) held at Department of Anaesthesia & Intensive Care, Government Medical College & Hospital, Chandigarh, on 12-14th October 2012.
- 3. Organized Advanced Cardiac Life Support (ACLS) accredited by AHA, 6th -8th July 2012.
- 4. Member of many professional Associations.

Dr. Sukanya Mitra

- 1. Elected Vice President of Chandigarh Branch of Indian Society of Anaesthesia (Chandigarh Branch) for the year 2012-13.
- Co-Organizing Secretary, 13th Annual Conference of ISA (North Zone) held at Department of Anaesthesia & Intensive Care, Government Medical College & Hospital, Chandigarh, on 12-14th October 2012.
- 3. Member of National Academy of Medical Sciences (India).
- 4. Member of International Association for the Study of Pain (IASP).
- 5. Member of many professional Associations.

Dr. Lakesh K Anand

- 1. Member of executive committee (Treasurer), 13th Annual Conference of ISA (North Zone) held at Department of Anaesthesia & Intensive Care, Government Medical College & Hospital, Chandigarh, on 12-14th October, 2012.
- Member of executive committee (Treasurer) CAPITAL EM-2013 conference" organized by Department of Internal Medicine, PGIMER & Department of Anaesthesia and Intensive Care, held at Government Medical College and Hospital, Sector 32, Chandigarh, April 13-14th 2013.
- 3. Member of many professional Associations.

Dr. Sanjeev Palta

- 1. Member of executive committee (Jt Organising Secretary), 13th Annual Conference of ISA (North Zone) held at Department of Anaesthesia & Intensive Care, Government Medical College & Hospital, Chandigarh, on 12-14th October, 2012.
- 2. Elected Secretary of North Zone Indian Society of Anaesthesia for the year 2012-13.
- 3. Member of many professional Associations.

Dr. Deepak Thapa

- 1. Organization of Pain management cadaveric workshop in NZISACON 2012 at GMCH Chandigarh.
- 2. Member of executive committee, 13th Annual Conference of ISA (North Zone) held at Department of Anaesthesia & Intensive Care, Government Medical College & Hospital, Chandigarh, on 12-14th October, 2012.
- 3. Member of many professional Associations.

Dr. Dheeraj Kapoor

1. Member of many professional Associations.

Dr. Manpreet Singh

- 1. Difficult Airway Society (International)(DAS).
- 2. International Trauma Anaesthesia & Critical Care Society (Indian Chapter)(ITAACS).
- 3 International Medical Sciences Academy (IMSA).
- 4. Assistant Editor Journal Of Medical College Chandigarh (JMCC).
- 5. Member of many professional Associations.

Dr. Vanita Ahuja

- 1. Member of Organizing Committee of 13th NZISACON-2012.
- 2. Life Member of American College of Chest Physician.
- 3. Member of many professional Associations.

Dr. Richa Saroa

- 1. Member of Organizing Committee of 13th NZISACON-2012.
- 2. Member of many professional Associations.

Dr. Jasveer Singh

- 1. Member of Organizing Committee of 13th NZISACON-2012.
- 2. Member of many professional Associations.

Dr. Ashish Kulshrestha

1. Member of many professional Associations.

Participations in Scientific Meetings & Workshops

Dr. Satinder Gombar

A. International

- Airway management in low tracheal tumour- an anaesthetic challenge, Presented at IARS 2012 Annual Meeting held at the Marriott Copley Place Hotel, Boston, Massachusetts, May 18-21, 2012.
- 2. Safety and efficacy of proseal LMA vs classic LMA in children a Randomized controlled trial Presented at IARS 2012 Annual Meeting held at the Marriott Copley Place Hotel, Boston, Massachusetts, May 18-21, 2012.
- 3. Pulmonary mechanics during laparoscopic cholecystectomy: a Comparison between cuffed endotracheal tube and Proseal LMA, Presented at IARS 2012 Annual Meeting held at the Marriott Copley Place Hotel, Boston, Massachusetts, May 18-21, 2012.

B. National/Regional

- 4. Chaired a session CME/WORKSHOP Basic Life Support, Organized by Department of Anaesthesia, GSMCHBANUR28,29 April 2012.
- 5. Panelist in Panel Discussion on "Regional Anaesthesia in an obstetric patient with anticipated difficult airway" 5th National Conference of Association of Obstetric Anaesthesiologists 7th-9th September 2012.
- 6. Invited Guest lecture on Anaesthetic concerns in hyperthyroidism, a case discussion, EORCAPS 2012, SGTB Hospital, Delhi, 29th September 2012.
- 7. Invited Guest lecture "Current controversies in pediatric regional anaesthesia" 4th National conference of Indian College of Anaesthesiologists, 23rd-25th November 2012, at Ludhiana.
- 8. Invited Guest lecture "Overview of Randomized Controlled Trial" SIGNET workshop on "Evidence Based Health Care" at GMCH, Chandigarh, 7th -9th December 2012.
- 9. Panelist in Panel discussion on "Safety of Modern starches during surgery" Update on Fluid Therapy at Fortis Mohali Feb 2013.
- 10. Invited Guest lecture "Overview of Randomized Controlled Trial" SIGNET workshop on "Evidence Based Health Care" at GMCH, Chandigarh, 8th -10th March 2013.
- 11. Effecting Systems Change, Singapore Indian group networking for empowerment training (SIGNET), 23rd-24th March 2013.
- 12. Chaired a session on Critical Care during CAPITAL-EM 2013,13-14th April 2013,Government Medical College and Hospital, Chandigarh.

Dr. Sukanya Mitra

A. International

Preemptive pregabalin for postoperative pain control after laparoscopic cholecystectomy: a double-blind randomized controlled trial. Presented at the 14th World Congress on Pain, organized by the International Association for the Study of Pain, Milan, Italy, 27-31 August 2012.

B. National/Regional

- 1. Aetiology and pathophysiology of shock. Invited lecture delivered at CME/Workshop organized by the Department of Anaesthesiology & Intensive Care, Gian Sagar Medical College & Hospital, Banur (Patiala), 28-29 April 2012.
- 2. Troublesome catheter: accidental dural puncture, indication for resiting of block. Invited lecture delivered at the 5th National Conference of the Association of Obstetric Anaesthesiologists, New Delhi, 7-9 September 2012.
- 3. Panelist on Panel Discussion on Neonatal Cervical Meningomyelocele. CME Programme on "Anaesthetic concerns for neonatal surgical emergencies: Pearls & Pitfalls" organized by Department of Anaesthesia & Intensive Care, PGIMER, Chandigarh, 30 September 2012.
- Local anaesthetics, adjuvants, and modes of delivery of neuraxial drugs. In, Labour Analgesia Workshop, conducted at the 13thAnnual Conference of ISA (North Zone), Chandigarh, 12-14 October 2012.
- 5. Safe use of analgesics in special group patients. Invited lecture delivered at Global Update on Pain (V), Mumbai, 25-28 October 2012.
- 6. Perioperative antithrombotic therapy: Current scenario of bridging therapy. Invited lecture delivered at the 4th National Conference of Indian College of Anaesthesiologists, Ludhiana, 23-25 November 2012.
- 7. Epiduroscopic adhesiolysis. Invited lecture delivered at the 28th Annual National Conference of Indian Society for the Study of Pain (ISSPCON 2013), Nagpur, 1-3 February 2013.

Dr. Lakesh K Anand

1. Lecture & demonstration- Supraglottic Airway Devices (LMA, ILMA, etc.) Faculty at EORCAPS, Dept. of Anaesthesiology & Critical Care, UCMS & GTB Hospital, Shahdara, Delhi 21-29th September, 2012.

Dr. Sanjeev Palta

- 1. Invited guest lecture, "Primary care of Emergency patients" in FCCS.
- 2. ICU care in neurogenic shock in CME 2012.

- 3. Difficult Airway: GAvs RA-ICACON 2012, Ludhiana
- 4. Rational use of blood products Fluid Therapy Refresher Course, Feb 2013 Fortis Mohali
- 5. Conducted workshop on Ultrasound in Anaesthesia in13th NZISACON, at GMCH Chandigarh, India.

Dr. Deepak Thapa

- 1. Interventional Pain Management: Our experiences in IGMC alumni meet 2012.
- 2. Pain management strategies in FBSS' during World Endoscopic Spine Surgery 2012
- 3. Conducted workshop on Chronic Pain, 13th NZISACON, at GMCH Chandigarh, India.

Dr. Dheeraj Kapoor

- 1. Conducted workshop: Trauma and Emergency Life Support-23rd National Road Safety Week, PHD chamber, 2012-13, Chandigarh, India.
- 2. Conducted series of workshops on Trauma and Emergency Life Support, 2012-13, GMCH, Chandigarh, India.
- 3. Speaker at Workshop- BLS & airway management; Cheema Medical Complex, Mohali, 2012, Punjab, India.
- 4. Participated as a delegate in "ICD 10 CODING", 2012, CBHI, GOI, India.
- 5. Participated in 2nd Biostatistical workshop: Sample size analysis in medical research, 2013, PGIMER, Chandigarh, India.
- 6. Speaker: Remifentanil: Do we need it?-ICA Mid Term Conference, Medanta-The Medicity, Gurgoan, NCR Delhi.
- 7. Participated in FCCS Instructor Course at SPS Apollo Hospitals, Sherpur Chowk, Ludhiana, Punjab.
- 8. Participated as member of organizing committee in 13th NZISACON, Chandigarh, India.
- 9. Conducted workshop on Difficult Airway, 13th NZISACON, at GMCH Chandigarh, India.
- 10. Conducted Hands-on workshop: Airway Management, 2012, INSCOL, Chandigarh, India
- 11. Participated in SIGNET workshop "Evidence-based Decision-making in Health-Care", 2013, Chandigarh, India.
- 12. Speaker: Cardiopulmonary resuscitation. 1st SGPGI PG Assembly, March 2013, Lucknow, UP, India.

Dr. Manpreet Singh

1. Lecture-Airway Management and Introduction to Trauma Patient, Trauma conference, 2012.

- 2. Lecture: 'Premedication is redundant': Indian College of Anaesthesiology Midterm conference 2012 Medanta, Medicity, Gurgaon 2012.
- 3. Consensus Meeting on Difficult Airway Management, Indian Guidelines, ICACON 2012.
- 4. CPR in pregnant patient-30th Annual Conference of AOGD, 2012.
- 5. BLS in pregnant Patient- 55th All India OBG Conference, Varanasi-2012.
- 6. Airway Management-ILMA and LT in AOA 2012 (N.Delhi).
- 7. Airway Management in emergency at INSCOL Hospital, Chandigarh.
- 8. ENT emergencies As Invited Faculty lecture at INDUSEM 2012, Nasik.
- 9. Airway Management workshop in Emergency Medicine-INDUSEM,2012, Nasik.
- 10. Airway Management in PG Assembly SGPGI, Lucknow in March 2013.
- 11. Cardiopulmonary Resuscitation in PG Assembly, SGPGI, Lucknow in March 2013.
- 12. Trauma and Emergency Life Support-Lecture- Airway Management , 24th National Road Safety Week, Chandigarh.
- 13. Arterial Blood Gas: Capital EM-2013.

Dr. Vanita Ahuja

- Participated as faculty in CME on Advanced airway Management & Hands on workshop at 8th AIRWAY Congress, February 3-5, 2012, Maulana Azad Medical College & Lok Nayak Hospital, New Delhi.
- 2. Basic Life Support Workshop. July 2012, Gian Sagar Medical College, Banur, Punjab.
- 3. Basic Life Support and Advance cardiac life support Workshop. August 2012, Dayanand Medical College, Ludhiana.
- 4. Obstetric admissions to mixed population adult intensive care unit: Burden or relief? 5th National Conference Association of Obstetric Anaesthesiologists India Habitat Center New Delhi 110003, 7-9 September, 2012
- 5. Update in Neonatal Anesthesia. Oct 2012 Postgraduate Institute of Medical Education and Research, Chandigarh.
- 6. Anatomy and Physiology of Labour Analgesia. Labour Analgesia Workshop. 13th North zone ISACON Oct 2012, Government Medical College and Hospital, Chandigarh.
- 7. Invited guest lecture "Antithrombotic agents in trauma: Benefits and Pitfalls" 22nd National Conference Research Society of Anesthesiologist Clinical Pharmacology, October 26-28th, 2012 Jaipur.
- 8. Basic Life support, CAPITAL-EM 2013, 13-14th April 2013, Government Medical College and Hospital, Chandigarh.

9. Effecting Systems Change, Singapore Indian group networking for empowerment training (SIGNET), 23-24 March 2013.

Dr. Richa Saroa

- 1. Participated as faculty in Basic Life Support and Advance Cardiac Life support Workshop. August 2012, Dayanand Medical College, Ludhiana
- 2. Basic Life support, CAPITAL-EM 2013,13-14th April 2013,Government Medical College and Hospital, Chandigarh.
- 3. Delivered a lecture on Update on ultrasound guided upper limb blocks at DMC Ludhiana. ICACON 2012, November 2012
- 4. Delivered a lecture on ultrasound guided lower limb blocks, NZ ISACON, October 2012
- Workshop on ultrasound guided nerve blocks, lung ultrasound and FAST during NZ ISACON October 2012
- 6. Participated in SIGNET workshop "Evidence-based Decision-making in Health-Care", 2013, Chandigarh, India

Dr. Ashish Kulshrestha

- Invited guest lecture "Flupirtine- Clinical Pharmacology" in ISACON-2012 at Indore in Dec-2012
- 2. Invited guest lecture "Drugs in CPR" in CAPITAL-EM 2013 at Chandigarh in April 2013
- 3. Attended the annual national conference of Research Society of Anaesthesiology Clinical Pharmacology (RSACPCON) as a delegate in October 2012.

Conferences organized

- 1. The Department of Anaesthesia & Intensive Care organized 13th North Zone Indian Society of Anaesthesiology from 12.10.12 to 14.1012.
- 2. The Department organized Advanced Cardiac Life Support Course (certified by American heart association) on 6th to 8th July 2012.
- 3. The department organized one day workshops on Trauma and Emergency Life Support, for police personnel and volunteers from the city, on 15th March 2012,19th April, 2012 and 26th May, 2012.

Services

The Department of Anaesthesia is providing services in 14 bedded State-of-the-Art Intensive Care Unit which is well equipped with latest equipments for providing uninterrupted critical care for critically ill patients of trauma, poisoning, sepsis, cardio respiratory insufficiency and multi organ dysfunction syndrome. This completely networked ICU has a dial up "PC Anywhere Software" facility to view live information about patients at remote locations at Desktop/Laptop for essentially required inputs by consultants to improve patient outcome. The patient care outcome in this set up is comparable to one of the best intensive care units in the world.

Perioperative care for patients undergoing elective and emergency surgeries is being provided by a team of competent anaesthesiologists headed by Prof. Satinder Gombar who is having more than 30 years of clinical and teaching experience in the specialty. Anaesthesia services are being provided in 22 most modern well equipped operation theatre located in block A & C. Anaesthesia services are being provided for various specialties like Ophthalmology, ENT, Orthopaedics, Obstt. & Gynae, General Surgery, Urology, Dentistry and Neurosurgery etc. In the Operation Theatres in Block –C, the anaesthesia work stations and monitors in recovery room/ICU are networked with a provision to view all patients at any station and at central web viewing station at Level III Block – C. There is continuous centralized supply of oxygen, nitrous oxide, compressed air and vacuum to all the operation theatres of the hospital with the required automatic control panels and safety area alarms. This also includes installation of liquid oxygen tank for economical and continuous supply of oxygen to various clinical care areas of the hospital.

Apart from the perioperative care, the department is providing Labour Analgesia services (under the supervision of Prof. Sukanya Mitra) and Chronic Pain management services (under the supervision of Dr. Deepak Thapa, Assoc. Professor) including interventional pain management procedures for chronic pain. Dr Sanjeev Palta has received training in Echocardiography in Emergency & Critical Care. Round the clock resuscitation services are being provided in various emergency areas of the hospital by a team of senior and junior residents under the supervision of on Call consultants. Besides these services, the department has introduced Acute Pain Service w.e.f April 2013.

Clinical data of all procedures for the year 2012-13

Year	Pre Anaesthesia Clinic	ICU-A & C	Elective OT	Emergency OT	Labour Analgesia	Pain Clinic Data	Electro Convulsive Therapy	Intervention Pain Procedures
April 12	1208	96	793	359	5	23	10	07
May 12	1294	71	847	375	9	30	26	04
June 12	1258	56	707	367	7	17	10	01
July 12	1296	64	1031	410	6	25	17	06
Aug. 12	1155	73	866	424	5	34	-	04
Sept. 12	1300	84	922	417	6	38	-	04
Oct. 12	1267	73	834	419	10	18	3	02
Nov. 12	957	72	806	303	11	35	4	02
Dec.12	1266	53	741	405	12	29	1	-
Jan 13	979	66	670	412	06	19	11	-
Feb 13	1104	54	1270	364	05	25	17	-
March 13	1444	56	933	351	03	33	08	-
Total	14528	818	10420	4606	85	326	107	30

Training:

The department of Anaesthesia is conducting training for following courses:

- 1. Training for the award of degree of Post Graduation, MD in Anaesthesiology. Three students appeared and passed MD examination in May 2012.
- 2. Three year degree course, B Sc in Anaesthesia & Operation Theatre Techniques. Out of total 11 students who appeared in the final examination in July 2012, 10 passed.
- 3. Pre-Hospital Trauma Technician Course which is a 9 month certificate course. Five students appeared & passed in the final examination
- 4. Training for Life Saving Anaesthesia Skills (as a part of Emergency Obstetric Care), a 18 wks course with an intake of two batches per year (04 students in each batch)
- 5. Observership in Pain Management started in 2011

Research Projects

Dr. Satinder Gombar

1. Completed: (As CI)

Sponsoring Agency: ICMR

Title: Antimicrobial susceptibility pattern of bacterial isolates from cases of ventilator associated pneumonia in ICU – Dr. Varsha Gupta (PI)

Result: The admission screening helps in population assessment of the full reservoir of organisms and helps in ensuring proper practice guidelines like contact isolation and sterile barrier precautions to be followed.

2. In Progress: (As CI)

Non Funded

Title: SIHAM Candidaemia network: A multicentric observational study of candidaemia cases among ICU patients in India

3. In Progress: (As CI)

Non Funded

Title: To determine efficacy of supraclavicular brachial plexus block using blunt versus short bevel needle: a prospective randomized double blind trial. (PI Dr Vanita Ahuja)

Dr. Sukanya Mitra

1. Completed: (As PI)

Non Funded

Title: Evaluation of efficacy of nebulized Ketamine for the relief of postoperative sore throat in adult patients- a randomized, double-blind controlled trial. (PI Sukanya Mitra)

Result- Ketamine nebulization significantly attenuated the incidence and severity of POST, especially in the early postoperative period, with no adverse effects.

2. In Progress:

Non Funded

Title: Analgesic efficacy of Etoricoxib versus Ibuprofen for postoperative pain relief for patients undergoing hip/knee arthroplasty.

Dr. Sanjeev Palta

1. Completed: (As CI)

Sponsoring Agency: ICMR

Title: Antimicrobial susceptibility pattern of bacterial isolates from cases of ventilator associated pneumonia in ICU – Dr. Varsha Gupta (PI)

Result: The admission screening helps in population assessment of the full reservoir of organisms and helps in ensuring proper practice guidelines like contact isolation and sterile barrier precautions to be followed.

2. In Progress: (As CI)

Non Funded

Title: RCT comparing efficacy of USGTAP block, Portsite infiltration and intraperitoneal instillation for post operative pain in laparoscopic cholecystectomy PI: Dr Richa Saroa

Dr Deepak Thapa

1. Sponsoring Agency: DST

Title: Anti-inflammatory effect of Simvastatin and its impact on Western Ontario and McMaster Universities (WOMAC) scores in patients with mild to moderate osteoarthritis. (PI Dr Deepak Thapa)

Dr. Vanita Ahuja

1. Completed:

Non Funded

Title: Evaluation of efficacy of nebulized Ketamine for the relief of postoperative sore throat in adult patients- a randomized, double-blind controlled trial. (PI Dr Sukanya Mitra)

Result- Ketamine nebulization significantly attenuated the incidence and severity of POST,

especially in the early postoperative period, with no adverse effects.

Research in progress

1. Non Funded

Title: To determine efficacy of supraclavicular brachial plexus block using blunt versus short bevel needle: a prospective randomized double blind trial. (PI Dr Vanita Ahuja)

2. Non Funded

Title: Analgesic efficacy of Etoricoxib versus Ibuprofen for postoperative pain relief for patients undergoing hip/knee arthroplasty. (PI Dr Sukanya Mitra)

3. Funded

Sponsoring Agency: DST

Title: Anti-inflammatory effect of Simvastatin and its impact on Western Ontario and McMaster Universities (WOMAC) scores in patients with mild to moderate osteoarthritis. (PI Dr Deepak Thapa)

4. Funded

Sponsoring Agency: DST

Title: A comparative study to evaluate the analgesic efficacy of Flupirtine maleate versus Ibuprofen in gynecological ambulatory surgeries. (PI Dr Vanita Ahuja)

5. Funded

Sponsoring Agency: DST

Title: Comparative study of analgesic efficacy and tolerability of oral tapentadol-paracetamol combination vs. oral tramadol-paracetamol combination for postoperative pain relief in patients undergoing hernia surgery. (PI Dr Sukanya Mitra)

6. Funded

Sponsoring Agency: ICMR

Title: To evaluate the effect of oxygen inhalation on maternal and fetal free radical activity during elective and emergency cesarean section under regional anesthesia. (PI Dr Vanita Ahuja). Applied for financial grant to Indian Council of Medical Research, New Delhi.

7. Non Funded

Title: RCT comparing efficacy of USGTAP block, Portsite infiltration and intraperitoneal instillation for post operative pain in laparoscopic cholecystectomy PI: Dr Richa Saroa

Indexed Publications

International

- Sanjeev, Amod Kumar, Gombar S, Trikhja A, Anand S. Fractal dimension of Electroencephalogram for assessment of hypnosis state of patient during Anaesthesia. International J of Biomedical Engineering and Technology Volume 10, Number 1/2012, P30-37
- 2. Divya Agrawal Sanjeev Kumar, Amod Kumar, Gombar S, Anjan Trikha, Sneh Anand Design of an assistive anaesthesia drug delivery control using knowledge based systems Journal of Knowledge Based System Volume 31:p 1-7,(2012) http://dx.doi.org/10.1016/j. knosys. 2012.01.012
- 3. Ahuja V, Gombar S, Thapa D, Bagri K. Orotracheal intubation facilitated with a Glidescope GVL videolaryngoscope in a patient with a large oronasopharyngeal rhinosporiodosis Correspondence Can J Anesth 2012, 59:327-329
- Parampreet, Gombar S, Bajaj N. Indigenous drug delivery system for use in nerve blocks Letter Saudi J Anaesth 2012;6:311
- Varsha Gupta, Nidhi Singla, Gombar S, Palta S, Tripti Sahoo, Jagdish Chander. Admission Surveillance Cultures Among Patients Admitted to Intensive Care Unit Research Letter North American Journal of Medical Sciences Volume 4, Issue 12, December 2012, p 648-650

- Richa Saroa, Shikha Sachan, Sanjeev Palta, Gombar S, Nitika Sahai. Obstetric use of nitroglycerin: Anesthetic implications. Saudi Journal of Anesthesia (In Press)
- 7. Mitra S, Khandelwal P, Roberts K, Kumar S, Vadivelu N. Pain relief in laparoscopic cholecystectomy a review of the current options. Pain Pract 2012; 12: 485-496.
- Mitra S, Khandelwal P, Sehgal A. Diclofenac-tramadol vs. diclofenacacetaminophen combination for pain relief after caesarean section. Acta Anaesthesiol Scand 2012; 56: 706-11
- Mitra S.Evaluation of analgesic efficacy of intra-articular opioids (morphine, fentanyl) after arthroscopic knee surgery. [Letter to Editor – Author Reply]. Arthroscopy 2012; 28: 898-899.
- Vadivelu N, Mitra S, Hines R, Elia M, Rosenquist RW. Acute pain undergraduate medical education – an unfinished chapter! Pain Pract 2012; 12: 663-71.
- 11. Mitra S, Ahuja V, Jafra A, Shekhawat S. Perioperative management of a patient with automated implantable cardioverter defibrillator. Sri Lankan Journal of Anaesthesiology (in press).
- 12. Urman R, Ahuja N, Mitra S, Roberts K, Vadivelu N. Anesthetic implications and patient positioning in robotic-assisted surgery. Ochsner Journal (in press).
- 13. Bhatia N, Mitra S, Sharma UM. Anesthetic concerns in a patient with Addison's disease. Ochsner Journal (in press).
- Vadivelu N, Mitra S, Hines R. Pain in Undergraduate Medical Education Across the Globe-A Health Care Perspective.

- Virtual Mentor AMA (in press).
- 15. Kapoor D, Palta S. Ultrasound Guided femoral nerve block: An essential pain management modality in emergency settings for femur fractures. Saudi Journal of Anaesthesia
- 16. Singh M, Chaudhary S, Arya A, Kumar S. Difficult airway with difficult regional anaesthesia in lower limb orthopaedic surgeries in patients with ankylosing spondylitis-What should we opt?In Press: Srilankan Journal of Anaesthesiology.
- 17. Singh M, Sharma C, Taneja A, Rautela RS. Dexamethasone causes perineal Pain and Pruritus. In Press, Journal of Clinical Anaesthesia and Research.
- Editorial: Benefits of Coinduction of anaesthesia: In Press: International Journal of Critical Illness and Injury Science 2012
- 19. Goyal R, Singh M, Sharma JP. Comparison of ketamine with fentanyl as co-induction in propofol anaesthesia for short surgical procedures. In Press: International Journal of Critical Illness and Injury Science 2012.

National

- Ahuja V, Kazal S, Gombar S, Bahadur R. Glidescope® for predicted difficult airway in Klippel-Feil Syndrome Letters to Editor Journal of Anaesthesiology Clinical Pharmacology | October-December 2012 | Vol 29 | Issue 4:532-34.
- 2. Kapoor D, Singh A. An unusual site of

- an occult air leak in an armoured endotracheal tube in the midst of surgery. Indian Journal of Anaesthesia | Vol. 56| Issue 1 | Jan-Feb 2012.
- 3. Kapoor D, Singh M. Upside-down twist with angulation maneuver for guide wire insertion in ultrasound guided supraclavicular approach for subclavian catheterization: Our experience! Indian Journal of Critical Care Medicine 2012 16, no. 4 (2012): 247.
- Kapoor D, Srivastava M, Singh M. An improvised tracheostomy tube for weaning in less privileged countries. Anaesth, Pain & Intensive Care 2012; 16(1):82-85.
- Kapoor D, Srivastava M. "Troubleshooting management for bleedback after arterial cannulation used for invasive hemodynamic monitoring." Saudi Journal of Anaesthesia 6.4 (2012): 431.
- Singh M, Kapoor D, Singh J. Extubation aid in double lumen tube exchange in difficult airway cases operated for thoracic surgeries -A novel recommendation. J Anaesthesiol Clin Pharmacol 2013 29(1):125-125.
- 7. Kapoor D, Ahuja N, Srivastava M. Successful intubation in a child with Lowe syndrome using fiberscope and Glidescope®. Anaesth Pain & Intensive Care. 2012;16(3):283-286
- 8. Anand, L. K., Kapoor, D. Re:" What's new in resuscitation strategies for the patient with multiple traumas? Injury 2012; 43 (7): 1021-8.
- 9. Sunita, Singh M, Kapoor D. Atypical meningococcal meningitis with rashless presentation: A case report. Journal of Acute

- Disease 2012, 72-74.
- Srivastava, M., Singh, M., Kapoor D. Pain management in orthopaedic surgeries: A major concern. Punjab Journal of Orthopaedics Vol-XIII, No.1, 2012
- 11. Kapoor D, Kaushal S., Anand L. K., Dalal, U. A technique to facilitate lung collapse in the presence of an occlusive endobronchial tumour. Southern African Journal of Anaesthesia and Analgesia, 2012; 18(6), 352-53.
- Anand K L, Singh M, Kapoor D. Prehospital Trauma Care Services in Developing Countries. Anaesth Pain & Intensive Care, 2013; Vol 17 (1) Jan-Apr, 65-70.
- 13. Singh M, Kumari K, Kapoor D, Singh J. "180° upside down maneuver" for ease of endotracheal tube insertion with the GlideScope in patients with limited mouth opening. Journal of Clinical Anesthesia. 2013 May;25(3):243. Do: 10.1016/j. jclinane.2012.12.006. Epub 2013 Mar 22.
- Anand LK, Kapoor D, Kazal S. Water in the flowmeters: Still a possibility in the modern era! Anesth Analg. 2013 Jul; 117 (1): 281-3. doi: 10.1213/ANE. 0b013e31829094a6.
- 15. Kapoor D, Kaushal S, Anand LK, Dalal U. A technique to facilitate lung collapsein the presence of an occlusive endobronchial tumour. South Afr J Anaesth Analg 2012; 18(6): 352-3.
- 16. An and LK, Kapoor D. Correspondence, Letter to editor in response to: "What's new in

- resuscitation strategies for the patient with multiple trauma? [Injury 2012; 43(7): 1021–8. doi:10.1016/j. injury.2012. 03.014]". Injury (2012),http://dx.doi.org/10.1016/j.injury.2012.08.020
- 17. Anand LK, Kajal Sunita. Correspondence, Letter to editor in response to "A randomised comparison of the LMA Supreme TM and LMA ProSealTM in children". Anaesthesia 2012; 67(6):1136.
- 18. Ahuja V, Thapa D, Kapoor D, Kumar N, Kaur R. Old problem new approachmalposition of tracheostomy tube in patient with anatomical deformity. Sri Lankan Journal of Anaesthesiology, 21, jun. 2013.
- Kapoor D, Sachan S, Singh M, Singh J. Critical Care of the Patient with Duchenne Muscular Dystrophy: A Case Report. AAAR. (2013, In press).
- 20. Kapoor D, Sachan S, Singh M, Singh J. Intervention for inadvertent bronchial intubation by tracheostomy tube in advanced duchenne muscular dystrophy. Anaesth Pain & Intensive Care.2013 (August Issue, In press).
- 21. Singh M, Kapoor D, Singh J. Left retromolar approach of Glidescope insertion –a novel technique for loose or buck teeth. Southern African Journal of Anaesthesia and Analgesia (In Press, 2013)
- 22. Anand K L, Kapoor D, Sarna R. "Unable to withdraw the optishape stylet during endotracheal intubation: An Unusual cause". Journal of the Anesthesia Patient Safety Foundation, APSF Newsletter. (2013, In Press)
- 23. Singh J, Kapoor D, Singh M. Autologous transfusion in a patient with life threatening

- traumatic haemothorax: Case Report. Bangladesh Journal of Medical Science. (2013: In Press)
- 24. Kapoor D, Singla D, Singh J, Jindal R. Paroxysmal Autonomic Instability with Dystonia (PAID) Syndrome Following Cardiac Arrest: A Case Report. Singapore Medical Journal. (2013: In Press).
- 25. Kapoor D, Goel N, Singh M, Singh J. A rare case of fatal Acute Respiratory Distress Syndrome following Diesel Oil Siphonage. Indian Journal of Anaesthesia. (2013: In press)
- 26. Bajwa SS, Kaur J, Singh A, Parmar SS, Singh G, Kulshrestha A et al. Attenuation of pressor response and dose sparing of opioids and anaesthetics with pre-operative dexmedetomidine. Indian J Anaesth 2012; 56: 123-8
- 27. Bajwa SJ, Kulshrestha A, Kaur J, Gupta S, Singh A, Parmar SS. The challenging aspects and successful anaesthetic management in a case of situs inversus totalis. Indian J Anaesth 2012; 56: 295-7
- 28. Kulshrestha A, Arora S, Mathur M, Bajwa SJ. Combined spinal-epidural anesthesia for cesarean section in a patient with dilated cardiomyopathy.J Anaesth Clin Pharmacol 2012; 28 (2): 273-4
- 29. Kamlesh Kumari, Vanita Ahuja, Satinder Gombar. Elective cesarean section in a parturient with post burn neck contracture: An anesthetic challenge! Journal of Obstetric Anaesthesia and Critical Care / Jan-Jun 2013/Vol3 | Issue 1

- 30. Thapa D, Ahuja V. Complex regional pain syndrome-1 following eye injury. Indian J Anaesth 2012;56(6):596-7
- 31. Bajwa SJS, Kulshrestha A. Renal endocrine manifestations during polytrauma: A cause of concern for the anaesthesiologist. Indian J Endocr Metab 2012; 16: 252-7
- 32. Kulshrestha A, Arora S, Mathur M, Bajwa SJ. Combined spinal-epidural anesthesia for cesarean section in a patient with dilated cardiomyopathy. J Anaesth Clin Pharm 2012; 28 (2): 273-4
- 33. Thapa D, Ahuja V, Khandelwal P. Tubercular mediastinal lymphadenopathy: An unusual cause of failed decannulation and tracheostomy. Indian J Anaesth [serial online] 2012 [cited 2012 Mar 4]; 56:102-3.-in response
- 34. Ahuja V,Goel N, Das S, Singh P. Intensive care unit psychosis a well known fact but rarely thought early. Accepted for publication in J Anaesth Clin Pharmacol 2013.(In press)
- 35. Ahuja V, Thapa D, Kapoor D, Kumar N, Kaur R. Old problem new approach-malposition of tracheostomy tube in patient with anatomical deformity. Accepted for publication in Sri Lankan Journal of Anaesthesiology 2013.
- 36. Kapoor D, Gupta A, Thapa D, Singh J. Two point fixation of endotracheal tube in submentotracheal intubation during craniomaxillofacial surgeries-our experience! Anaesth Pain & Intensive Care. 2012:16(3):273-75.
- 37. Singh J, Kapoor D, Srivastava M, Singh M. Anaesthetic management of a child with an

- atypical triad for reconstructive scoliosis surgery- A Case Report. Indian Journal of Anaesthesia. (2013: Accepted)
- 38. Kapoor D, Goel N, Singh M, Singh J. A rare case of fatal Acute Respiratory Distress Syndrome following Diesel Oil Siphonage. Indian Journal of Anaesthesia. (2013: In press)
- 39. Singh J, Kapoor D, Singh M. Autologous transfusion in a patient with life threatening traumatic haemothorax: Case Report. Bangladesh Journal of Medical Science. (2013: In Press)
- 40. Singh M, Kapoor D, Singh J. Left retromolar approach of Glidescope insertion—a novel technique for loose or buck teeth. Southern African Journal of Anaesthesia and Analgesia (In Press, 2013)
- 41. Kapoor D, Sachan S, Singh M, Singh J. Intervention for inadvertent bronchial intubation by tracheostomy tube in advanced duchenne muscular dystrophy. Anaesth Pain & Intensive Care. 2013 (August Issue, In press).
- 42. Singh M, Kumari K, Kapoor D, Singh J. "180° upside down maneuver" for ease of endotracheal tube insertion with the GlideScope in patients with limited mouth opening. Journal of Clinical Anesthesia. 2013 May;25(3):243. Do: 10.1016/j. jclinane.2012.12.006. Epub 2013 Mar 22.
- 43. Kapoor D, Sachan S, Singh M, Singh J. Critical Care of the Patient with Duchenne Muscular Dystrophy: A Case

Report. AAAR. (2013, In press).

Publications in the Journal of Medical College Chandigarh:

- Gupta A, Kapoor D, Kapoor S, Lehl G.Comprehensive management of Panfacial Trauma with Oral Rehabilitation. JMCC. 2012, Vol. 2, No.1. (Journal of Medical College Chandigarh)
- Kapoor D, Sachan S, Singh M, Singh J. Endotracheal suctioning in adults: Evidence based approach and current practice guidelines in critical care settings. JMCC, 2012, Vol. 2, No.2. (Journal of Medical College Chandigarh)
- Singh J, Singh M, Kapoor D, Srivastava M, Dass A, Aggarwal R. Rare foreign body in airway- an anesthetic challenge. JMCC 2012; 2:25-27. (Journal of Medical College Chandigarh)
- 4. Srivastava M, Sharma S, Bhullar P, Kapoor D, Singh M, Singh P. Tracheostomy Care in Critical Care Settings: Evidence Based Practice Guidelines. JMCC, 2013 (In Press). (Journal of Medical College Chandigarh).
- Kulshrestha A. Flupirtine- a new drug at a glance. Journal of Medical College Chandigarh 2012; 2 (2): 26-7

Chapters in Books

- Gombar KK, Gombar S. Management of critically ill obstetric patients. In Gupta S (ed). Obstetric Anaesthesia. Arya Publications.2008
- 2. Gombar S, Gombar KK, Bhatia N. Critical care issues in high risk obstetric patient. In

- Trivedi SS, Puri M (eds) Management of High Risk Pregnancy-A Practical Approach. 2009, p 514-36
- Gombar S, Bhatia Nidhi. Oxygen Therapy. In Singh M (ed) Anaesthesia And Allied Sciences For Paramedics. CBS/SR Publishers, Darya Ganj, New Delhi, India. (2013; In Press)
- 4. Mitra S, Chopra P. Sepsis and its management. In, Singh M, ed. Anaesthesia & Allied Science for Paramedics. CBS/SR Publishers, Delhi (in press).
- 5. Mitra S, Sethi E. Preanaesthetic checkup and preoperative preparation of patient. In, Singh M, ed. Anaesthesia & Allied Science for Paramedics. CBS/SR Publishers, Delhi (in press).
- 6. Mitra S. Multidisciplinary Approach and Coordination of Care. In, Vadivelu N, Urman RD, Berger J, eds. Essentials of Palliative Care. New York, Springer (in press)
- 7. Mitra S, Ahuja V, Urman RD, Vadivelu N. Mechanisms of Pain. In: Urman RD, Vaidvelu N, eds. Perioperative Pain Management New York, NY: Oxford University Press 2013: 11-20.
- 8. Mitra S. Guidance with Complex Treatment Choices. In, Vadivelu N, Urman RD, Berger J, eds. Essentials of Palliative Care. New York, Springer (in press).
- 9. Mitra S, Chopra P, Saroa R.Isomerism in Anaesthetic Drugs and its Importance

- in Clinical Anaesthesia. In, Chandra U, Basu SM, eds. Yearbook of Anaesthesiology, Vol. 2. Hyderabad, Paras Medical Publisher: 2013, 122-131
- Anand LK, Singh J. Anaesthetic considerations with hepatobiliarysystem. In: Singh M, (ed). Anaesthesia & Allied Science for Paramedics. New Delhi, S.R. Health Sciences, 2013; 467-74. (In Press)
- Anand LK, Singh J, Singh M. Anaesthesia considerations for patients with endocrine disease. In: Singh M, (ed). Anaesthesia & Allied Science for Paramedics. Delhi, SR Health Sciences, 2013; 475-85. (In Press)
- Anand LK, Singh M. Ethical Principles, Standards and Scope of Practice in Anaesthesia Technology. In: Singh M, (ed). Anaesthesia & Allied Science for Paramedics. Delhi, S.R. Health Sciences, 2013; 1019-25. (In Press)
- Anand LK. Medical gas supply, storage and pipeline system. In: Singh M, (ed). Anaesthesia & Allied Science for Paramedics. Delhi, S.R. Health Sciences, 2013; 1026-40. (In Press)
- 14. Anand LK. The physics of gases and gas laws. In: Singh M, (ed). Anaesthesia & Allied Science for Paramedics. Delhi, S.R. Health Sciences, 2013; 1041-50. (In Press)
- Anand LK. The Physics of Flow. In: Singh M, (ed). Anaesthesia & Allied Science for Paramedics. Delhi, S.R. Health Sciences, 2013; 1051-8. (In Press)
- Anand LK. Insertion and management of peripheral intravenous cannulae. In: Singh M, (ed). Anaesthesia & Allied Science for Paramedics. Delhi, S.R. Health Sciences, 2013; 1115-26. (In Press)

- 17. Singh M, Kapoor D, Anand LK. Cardiopulmonary resuscitation guidelines 2010. In: Singh M, (ed). Anaesthesia & Allied Science for Paramedics. Delhi, S.R. Health Sciences, 2013; 1086-95. (In Press)
- 18. Kapoor D, Singla D, Srivastava M. ECG (Electrocardiogram): A practical approach: Principle and clinical interpretation. In Anaesthesia And Allied Sciences For Paramedics 1st Ed; CBS/SR Publishers, Darya Ganj, New Delhi, India. (2013; In Press)
- 19. Kapoor D, Singla D. Electrical safety in operating room. In Anaesthesia And Allied Sciences For Paramedics 1st Ed; CBS/SR Publishers, Darya Ganj, New Delhi, India. (2013; In Press).
- 20. Kapoor D, Singla D. EMG (Electromyogram) and EEG (Electroence-phalogram): Principle and clinical application. In Anaesthesia and Allied sciences for Paramedics 1st Ed; CBS/SR Publishers, Darya Ganj, New Delhi, India. (2013; In Press)
- 21. Singh M, Grover N .'Electrosurgical units in vaginal Surgery' In: 'State-of-the-Art: Vaginal Surgery' Eds. Rajaram S, Goel N,Mehta S.2nd edn. Delhi ,Jaypee Brothers Medical Publishers 2013:69-79.

- 22. Grover N, Singh M, Goel N. Newer Insulins and oral hypoglycaemic agents in the management of Diabetes in Pregnancy. In:Advances in Obstetrics and Gynaecology, Eds Rajaram S, Goel N, Mehta S, 2nd edn., Delhi, Jaypee Brothers Medical Publishers: 23-44.
- 23. Saroa R. Principles of Anaesthesia In, Singh M, ed. In Anaesthesia and allied sciences for Paramedics 1st Ed; CBS/SR Publishers, Darya Ganj, New Delhi, India. (2013; In Press)
- 24. Saroa R. Various intravenous and inhalational anaesthetic agents. In Anaesthesia and allied sciences for Paramedics 1st Ed; CBS/SR Publishers, Darya Ganj, New Delhi, India. (2013; In Press)
- 25. Saroa R. Basics of General Anaesthesia Depth Mechanism and intubation. In Anaesthesia and allied sciences for Paramedics 1st Ed; CBS/SR Publishers, Darya Ganj, New Delhi, India. (2013; In Press)
- 26. Singh J. Anaesthesia considerations for patients with endocrine disease, In Anaesthesia and allied sciences for Paramedics 1st Ed; CBS/SR Publishers, Darya Ganj, New Delhi, India. (2013; In Press)

DEPARTMENT OF ANATOMY

Faculty

Kanchan Kapoor	Professor & Head	M.Sc, Ph.D
Mahesh K. Sharma	Associate Professor	MBBS, MS
Avinash Abhaya	Assistant Professor	MBBS, MS
Anshu Sharma	Assistant Professor	MBBS, MS

Presiding over a National level CME or National Conferences:

Dr. Kanchan Kapoor - Chaired a session in National Conference at 60th National Conference of Anatomical Society of India held at Cuttack, Dec 26th -29th, 2012.

Paper presented in national conferences:

- 1. Morphometric Parameters Of Developing Liver In Relation with Gestational Age." At 60th NATCON held at Cuttack, Dec, 2012. presented by **Dr. Kanchan Kapoor.**
- 2. Caudal regression syndrome A case presentation at 60th NATCON held at, Cuttack, Dec, 2012 presented by **Dr. Anshu Sharma**.
- 3. Otocephaly a rare first arch syndrome 60th NATCON held at Cuttack, Dec, 2012. presented by **Dr. Anshu Sharma.**

Visits to other institutions for academic purposes:

Dr. Avinash Abhay

- i. Central Bureau of Health intelligence (CBHI), Directorate General of Health Services, Ministry of Health & Family Welfare, Government Of India, Nirman Bhawan, New Delhi, to Participate in "Two Days workshop at RHSTC, Mohali on 24 & 25 May 2012 of Subject Experts to Review & Revise the curriculum of MRO & MRT Training Courses."
- ii. Director, CBHI, Directorate General of Health Services, Ministry of Health & Family Welfare, Government Of India, Nirman Bhawan, New Delhi and assigned responsibility for "Development, Maintenance and Revision of Reference Classifications (ICD-10, ICD-11, ICF & ICTM) and/or derived classification of WHO-FIC in September, 2012
- iii. CBHI, Directorate General of Health Services, Ministry of Health & Family Welfare, Government Of India, Nirman Bhawan, New Delhi as member core group to attend" National workshop for review of short term training courses of CBHI on 11-12 February 2013.

Membership of an executive committee

- 1. **Dr. Mahesh K Sharma** was elected as Executive member of Anatomical Society of India, 2011-12
- 2. **Dr. Avinash Abhaya** was elected as Executive committee member of Anatomical Society of India 2012-13
- 3. **Dr. Anshu Sharma** was elected as Executive committee member of Anatomical Society of India for 2012-13

CME organized:

A CME-cum workshop was organized in collaboration with Department of Anatomy, PGIMER, Chandigarh from 17-18th Novembr, 2012. The CME was followed by 7th Annual Conference of North States Chapter of Anatomical Society of India. The following faculty members were designated as:

Dr. Kanchan Kapoor - Co-Chairperson

Dr. Mahesh K Sharma – Joint Secretary

Dr. Avinash Abhaya – Co-Treasurer

Dr. Anshu Sharma – Co-Treasurer

Taking part in Seminar / conference as delegate

Dr. Kanchan Kapoor participated in:

- 1. 60th Annual Conference of Anatomical Society of India held at Cuttack, Dec 26th 29th, 2012
- 2. 7th Annual Conference of North States Chapter of ASI held at Department of Anatomy, PGIMER, Chandigarh from 17-18 November, 2012.
- 3. CME cum workshop on Prosected Larynx : Anatomist, Laryngologist & Anaesthetist Perspectives" held at Department of Anatomy, PGIMER, Chandigarh on 17 November 2012
- 4. Workshop on Recent advances in prenatal & neonatal screening held at Department of Genetic Centre, Government Medical College & Hospital, Chandigarh on 11th May, 2012

Dr. Mahesh K Sharma participated in

- 1. 7th Annual Conference of North States Chapter of ASI held at Department of Anatomy, PGIMER, Chandigarh from 17-18 November, 2012
- 2. CME cum workshop on Prosected Larynx : Anatomist , Laryngologist & Anaesthetist Perspectives" held at Department of Anatomy, PGIMER , Chandigarh on 17 November 2012

Dr. Avinash Abhaya participated in

- 1. Workshop on Recent Advances in Prenatal & Neonatal Screening", organized by Genetic Centre, Govt Medical College Chandigarh on 11 May 2012
- 2. CME cum workshop on Prosected Larynx : Anatomist , Laryngologist & Anaesthetist Perspectives" held at Department of Anatomy, PGIMER , Chandigarh on 17 November 2012
- 3. 7th Annual Conference of North State Chapter of Anatomical society of India (NSCASI) organized by Department of Anatomy, Post Graduate Institute of Medical Education & Research, Chandigarh on 18 November 2012

Dr. Anshu Sharma participated in

- 1. 60th Annual Conference of Anatomical Society of India held at Cuttack, Dec 26th 29th, 2012.
- 2. 7th Annual Conference of North States Chapter of ASI held at Department of Anatomy, PGIMER, Chandigarh from 17-18 November, 2012
- 3. CME cum workshop on Prosected Larynx : Anatomist , Laryngologist &Anaesthetist Perspectives" held at Department of Anatomy, PGIMER, Chandigarh on 17 November 2012

Delivering an invited talk/talk in Local, State level, Regional conference or meeting/CME

Dr. Kanchan Kapoor

"Congenital Malformations and Fetal Autopsy" in Hands on Training workshop of Molecular Biology & Cytogenetic Techniques, organized by Punjab State Council for Science & Technology, Chandigarh & Government Medical College & Hospital, Chandigarh from 3rd – 15th December, 2012.

Dr. Avinash Abhaya

- 1. Family of International classifications (ICD-10 & ICF)
- 2. Health information management
- 3. Medical Records and information management

Services:

The department has been providing fetal autopsy services to the parents of congenitally malformed babies. Fetuses suffering from congenital malformations are referred to the Anatomy Department (below 26 weeks of gestation) by the Gynaecology Department.

A detailed Radiology, Autopsy and Histological examination is done and the autopsy report is given to the parents for further consultations with the clinician. The department has been running this service for the last seven years. A total number of 226 fetal autopsies were performed during the year 2012-13.

Training:

The department is imparting training to various courses namely MBBS, MS (Anatomy), Bachelor of Physiotherapy, Bachelor of OT Techniques, Radiodiagnosis, Ophthalmology. In the year 2012, 47 students appeared in MBBS and 44 students have passed the examination.

Research completed during the year

Non funded research:

"Title: Morphometric Parameters Of Developing Liver In Relation with Gestational Age."

Research in progress

Non funded projects:

- 1. Development of the pancreas in different gestational ages of fetuses.
- 2. Development of the duodenum in different gestational ages of fetuses
- 3. Development of the oesophagus in different gestational ages of fetuses

Departmental Highlights:

Awareness programmes for Body Donation:

- The department of Anatomy had organized two functions for the sensitization and motivation
 of the public for body donation. The first event was organized on 15th April, 2013 where eight
 persons from one family pledged to donate their bodies.
- ii. The second event was held on 28th May, 2013 with the help of Nayan Foundation where 09 persons pledged to donate their bodies. The department is spreading awareness for the organ and body donation as well.



Indexed Publications

International:

- 1. Gupta T, Kapoor K, Sharma A, Huria A. The Frequencies of the Urinary Anomalies which were Detected in a Foetal Autopsy Study. Journal of Clinical and diagnostic research 2012; 6(10): 1615-1619.
- Gupta R, Kapoor K, Sharma A, Kochhar S, Garg R. Morphometry of typical cervical vertebrae on dry bones and CT Scan and its implications in transpedicular screw placement srugery. Surgical & Radiological Anatomy 2013:35:181-189.
- Gupta T, Kapoor K, Singh B, Huria A. Patterns of Orbitofacial and orbital growth at prenatal stage derived from fetal autopsy studies. Rev Arg De Anat clin (Argentina Journal of Clinical Anatomy). 2012: 3(1);49-56.
- Sant Ram K, Sharma M, Sharma A. Morphometrical Assessment of Suprarenal Gland in Fetuses of

- Different Gestational Age Groups. Int. J of Scientific & Research Publications, 2012:2(12): 2250-3153.
- Sant Ram K, Sharma A, Sharma M. Histogenesis of suprarenal gland in fetuses of different gestational age groups. Int. J Biol Med Res. 2013; 4(1): 2675-2682.
- 6. Sant Ram K, Sharma M, Sharma A. Neuroblastic nodules and giant epithelial cells in suprarenal gland in fetuses of different gestational age groups. J. Anat. Soc. India 2013; 62; 73-78.
- Chawla K, Sharma M, Abhaya A, Kumar R, Singh Y. Importance of Microstructure of Lumber Pedicle in Screw Placement. National Journal of Clinical Anatomy. 2012:1(2):90
- 8. Abhaya A, Kapoor K. Metopic Suture. J. Anat. Soc. India 2012; 61 (1): 62-137.

DEPARTMENT OF BIOCHEMISTRY

Faculty

Jasbinder Kaur	Professor & Head	MBBS, MD
Sushumna Sood	Associate Professor	MSc, Ph.D
Shivani Jaswal	Associate Professor	MBBS, MD
Harjeet Kaur	Assistant Professor	MBBS, MD
Seema	Assistant Professor	MBBS, MD

Presiding over a National level CME or National Conferences:

Dr. Jasbinder Kaur

- 1. Nominated as President Elect 2013, Association of Medical Biochemists of India in 20th AMBICON held at Bhubaneshwar Dec. 8-10, 2012
- 2. Nominated as State Executive member for Chandigarh for Association of Medical Biochemists of India in 20th AMBICON held at Bhubaneshwar Dec. 8-10, 2012
- 3. Invited for delivering Guest Lecture on "Metabolic Syndrome: A Global Challenge." In 2nd BANCON, Dharan, Nepal. April 4-5, 2013.
- 4. Chaired Session in 20th AMBICON, Bhubaneshwar

Dr. Shivani Jaswal

- 1. Nominated as Zonal Secretary 2013, for Association of Medical Biochemists of India.
- 2. Chaired poster session in 20th AMBICON, Bhubaneshwar

Visits Abroad Or To Other Institutions For Academic Purposes

Dr. Jasbinder Kaur

Observer ship in Diagnostic Techniques in Cancer at Tata Memorial Cancer Hospital from 3-17th Oct., 2012

Dr. Shivani Jaswal

FAIMER Fellowship training course from 4th to 11th Feb. 2013 at CMC, Ludhiana.

Participation In Scientific Meetings (National And International)

Dr. Jasbinder Kaur

- 1. Invited for delivering Guest Lecture on "Metabolic Syndrome: A Global Challenge." In 2nd BANCON, Dharan, Nepal. April 4-5, 2013.
- 2. Attended 20th AMBICON, Bhubaneshwar, Dec.8-10,2012Dr.Sushumna SoodAttended CME Molecular Diagnosis of Genetic Diseases, PGIMER, Chandigarh Dec. 22-23, 2012.

Dr. Shivani Jaswal

- 1. Iron overload and Oxidative stress in children with thalassaemia. Presented in IEMCON-2013, Sir Ganga Ram Hospital, New Delhi. April 5-7 2013.
- 2. Ferritin, Folate, and B12 in pregnancy. Presented in 20th AMBICON, Bhubaneshwar, Dec. 8-10, 2012.
- 3. Attended MCI basic course in Medical Education, CMC, Ludhiana in Feb. 28-Mar 2, 2013.
- 4. Attended ISHG 2012 international Conference on Genes, Genetics, Genomics. Punjab University, Chandigarh. Mar. 3-5, 2012.
- 5. Attended Workshop on Lab diagnosis of IEMS IEMCON-2013, Sir Ganga Ram Hospital, New Delhi. April 4, 2013.
- 6. Attended CME on Effecting Systems Change. SIGNET, Chandigarh, Mar. 23-24, 2013.

Dr. Harjeet Kaur

Fulminant Hepatic Failure in Wilson's disease. Presented in CME Biochemistry 2013 at PGIMER, Chandigarh. March 23-24, 2013.

Dr. Seema

Coeliac disease also has Atypical presentation. Presented in CME Biochemistry 2013 at PGIMER, Chandigarh. March 23-24, 2013.

Membership of An Executive Committee/Treasurer Ship/Assistant or Joint Secretary Ship of National Societies.

Dr. Jasbinder Kaur

- 1. Nominated as President Elect 2013, Association of Medical Biochemists of India
- 2. Nominated as statewise member for Chandigarh for Association of Medical Biochemists of India

Dr. Shivani Jaswal

Nominated as Zonal Secretary 2013, for Association of Medical Biochemists of India.

Dr. Harjeet Kaur

Member of Canadian Society of Clinical Chemists.

CMEs/Workshop/Training Organized

Contact programme for interns on Sensitization to laboratory procedures on 31.01.2013. Hands on training on closed system of sample collection on 31.01.2013.

Guest Lectures organised 24.01.2013

- 1. Vitamin D deficiency-Challenges in diagnosis/clinical indications for vitamin D testing
- 2. PSA and breast cancer-Diagnosis & Prognosis Speaker: Ms. Kimberly Wilson (USA)

Delivering An Invited Talk/Talk In Local, State Level, Regional Conference or Meeting/CME

Dr. Jasbinder Kaur

Lecture on clinical Chemistry in Diagnosis & Management in Contact programme for interns on Sensitization of lab procedures on 31/01/2013 at GMCH, Chandigarh.

Dr. Sushumna Sood

- 1. Lecture on Molecular Basis of Inheritance in Hands on Training workshop on Molecular Biology & Cytogenetic Techniques Dec. 3-15, 2012 at GMCH, Chandigarh
- Lecture on "Guidelines in BMW management & Universal precautions" in Contact programme for interns on Sensitization of lab procedures on 31/01/2013 at GMCH, Chandigarh.

Dr. Shivani Jaswal

- 1. Lecture on "Framing PICO question" in SIGNET workshop at GMCH, Chandigarh, Mar. 8-10, 2013.
- 2. Lecture on "Combating Pre-Analytical Errors" in Contact programme for interns on Sensitization of lab procedures on 31/01/2013 at GMCH, Chandigarh

Dr. Harjeet

Lecture on "Introducing Routine clinical Biochemistry Lab Procedures" in Contact programme for interns on Sensitization of lab procedures on 31/01/2013 at GMCH, Chandigarh.

Dr. Seema

Lecture on "Introducing Emergency clinical Biochemistry Lab Procedures" in Contact programme for interns on Sensitization of lab procedures on 31/01/2013 at GMCH, Chandigarh

Services

Total number of	2011	2012
investigations		
Emergency Lab	325926	336281
Routine Lab	462068	569954
Hormone Assay & Tumour		
Markers	31315	29361
Total	819309	935596

Training:

The department is involved in teaching and training of the following courses.

- 1. MBBS Every year 50 students are admitted. Out of total 50 students who appeared in the final examination in July 2012, 46 qualified in the subject and distinction was awarded to three students.
- 2. Three year degree course, B Sc Medical Lab Technology –Every year 12 students are admitted. 11 students appeared in final examination and all passed.
- 3. Three year degree course, B Sc in Anaesthesia & Operation Theatre Techniques* (13 in 1st year and 14 in 2nd year)
- 4. BSc Ophtalmology* (12 students)
- 5. Short term training is being provided to the post graduate students of Pathology and Forensic Medicine*
- 6. BSc Physiotherapy Students from Saket College of Physiotherapy* (20 students) *Exams are conducted in the parent department.

Research: In progresss

Dr. Jasbinder Kaur

- As CI in DST funded (PI- Dr. Poonam Goel) Association of Vitamin D deficiency during pregnancy with preeclampsia and eclampsia. In collaboration with the department of Obst & Gynae
- 2. As CI in DST funded (PI- Dr. Bharti Goel)

Prevalence of Iodine deficiency during pregnancy and its correlation with hypothyroidism. In collaboration with the department of Obst & Gynae

3 As CI in Nonfunded (PI- Dr. Varinder Saini)

Molecular basis of pathogenesis of mycobacterium tuberculosis. In collaboration with DBT Panjab University.

4. As CI in Nonfunded (PI-Dr. Varun Dhir)

Randomized trial of 10mg versus 30 mg per week of folic acid in combination with methotrexate in Rheumatoid Arthritis. In collaboration with Dept. of Internal Medicine, PGI.

Dr. Sushumna Sood

As PI-ICMR funded

The assessment of advanced glycation products receptor for AGE and soluble receptors for RAGE, hsCRP in patients of Diabetes Mellitus with hypertension: Diagnostic and prognostic implications

Dr. Shivani Jaswal

1. As PI-DST funded

Adiponectin and IL-8 as newer markers of inflammation in COPD DST

2. As CI - Nonfunded (PI-Dr. Varun Dhir)

Randomized trial of 10mg versus 30 mg per week of folic acid in combination with methotrexate in Rheumatoid Arthritis. In collaboration with Dept. of Internal Medicine, PGI.

Dr. Harjeet

1. As PI - DST funded

Relationship between VEGF and BMI in healthy individuals.

2. As CI-DST funded

Adiponectin and IL-8 as newer markers of inflammation in COPD

Dr. Seema

As PI – DST funded
 NT-Pro BNP and cardiac troponin T as mortality predictors in acute exacerbation in COPD.

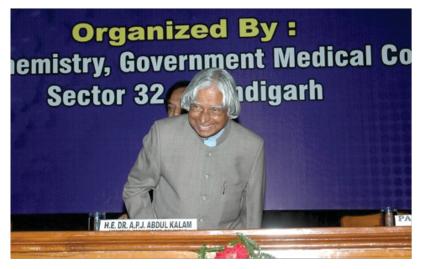
As CI - DST funded (PI- Dr.Bharti Goel)
 Prevalence of Iodine deficiency during pregnancy and Correlation with hypothyroidism. In collaboration with the department of Obst & Gynae

Departmental Highlights

The Department of Biochemistry is one of the investigative branches acting as a backbone for the clinical departments. It is providing routine and emergency clinical laboratory services for the patient care. In addition it also provides investigative support for the endocrinology , tumour markers and certain nutritional parameters. It is fully equipped with state of the art Fully automated Chemistry Analyzer, Chemiluminiscence Analyzer, Blood gas analyzer, Electrolyte and metabolite Analyzers ,ELISA reader, HPLC etc. to provide approximately 80 different analytes . Besides this it is also supporting different departments to carry out their research work in different fields.

The department had been organizing events from time to time. The highlight was the conference of Association of Medical Biochemists of India AMBICON-2008 from 13th-16th Nov 2008 which was inaugurated by Dr.A.P.J Abdul Kalam, the Former President of India . This was the first National conference organized in GMCH.

Dr. Jasbinder Kaur participated in the 12th Asia Pacific Congress of Clinical Biochemistry (APCCB) held in South Korea Oct 3-7 2010. She was presented Research Award for her presentation.





Indexed Publications

- Kaur J, Saini V, Jaswal S, Seema, Kaur H. Regarding Evaluation of Serum immunoglobulin E-levels in bronchial asthma. Lung India, 2012; 29 (2):194
- Kaur H, Kaur J, Jaswal S, Seema, Sharma S. Comparison of blood glucose estimation on three different instruments. IJCB 2012; 27: 102.
- 3. Jaswal S, Kaur J, Kaur H, Seema, Walia HK. Identifying the metabolically obese normal weight individuals in sedentary population. IJCB 2012; 27: 81.
- Gupta S, Kaur J, Jaswal S. Kaur H, Kaur H. Should non-HDL-C replace LDL-C as therapeutic target to decrease cardiovascular risk. IJCB 2012; .27: 16
- 5. Kaur J, Gupta S, Jaswal S, Kaur H, Aggarwal N. India moving towards

- iodine deplete to replete status whether rural or urban. JIMA 2013; 3: 202.
- 6. S. Sood, S. Puri. "Acrylamide in Food: Role in human health and disease" Indian Journal of Nutrition and dietetics. June 2012, Volume 49, Number 6, Pages 248-263.

Chapters In Books:

Dr. Jasbinder Kaur

Chapter on Acid Base Disorders in book Text Book of Surgery by Marwah Sanjay(2011 Ed)

Dr. Seema

Basic Biochemistry. Accepted for publication in Book for B. Sc. Anaesthesia and OT techniques 2012-13.

DEPARTMENT OF COMMUNITY MEDICINE

Faculty

Neeraj Aggarwal

Abhiruchi Galhotra

Naveen Krishan Goel	Professor & Head	MD
Munish Kumar Sharma	Associate Professor	MD
Dinesh Walia	Associate Professor	Ph.D, D.Phill
Sonia Puri	Assistant Professor	MD
Tarundeep Singh	Assistant Professor	MD
(Joined in Dec 2012)		
Navpreet	Assistant Professor	MD
(Joined in Mar 2013)		
Faculty resigned		
Vikas Bhatia	Associate Professor	MD

Dr. N.K. Goel was awarded with Fellowship Indian Association of Preventive & Social Medicine(FIAPSM) at 40th Annual National Conference of IAPSM at Nagpur, January 22-24, 2013.

MD

MD

Associate Professor

Assistant Professor

Dr. Dinesh Walia was awarded with DHR (Govt of India) Short term Fellowship under its Human Resource Development Scheme for 2012, Sept-Dec 2012.

Chairing a session in National level CME or National Conferences:

- 1. **Dr. N.K. Goel** chaired a scientific session at 40th Annual National Conference of IAPSM at Nagpur, January 22-24, 2013, Organized by GMC, Nagpur Conference.
- 2. **Dr. N.K. Goel** chaired a scientific session at AIDSCON-2 at Chandigarh, February 28-March 1,2013, Organized by State AIDS Control Society, Chandigarh UT.
- 3. **Dr. M.K. Sharma** chaired a scientific session at 40th Annual National Conference of IAPSM at Nagpur, January 22-24, 2013, Organized by State AIDS Control Society, Chandigarh UT.
- 4. **Dr. M.K. Sharma** chaired a scientific session at 2nd Annual National Conference of Consortium against Rabies CARCON-12 at Guru Ram Rai Medical College, Dehradun on April 12, 2012.

- 5. **Dr. M.K. Sharma** chaired a scientific session at Indian Society of Medical Statistics, at DMC, Ludhiana, October 2012.
- 6. **Dr. Dinesh Walia** chaired a scientific session at National Seminar on "Stress and Health Management" Sponsored by UGC at Govt Auto Girls PG College of Excellence at Sagar (MP) during Feb 01-02, 2013.
- 7. **Dr. Sonia Puri** chaired a scientific session at IAPSM- Punjab Chapter at DMC, Ludhiana, October 2012.

Invited lectures during National/International Conferences and National/International CMEs:

- 1. Workshop on "Biostatistical Aspects of Randomized Clinical Trials (RCT) And Medical Ethics", at Chandigarh on Sept 21-23, 2012. Resource faculty: Dr. N.K. Goel, Dr. M.K. Sharma, Dr. Dinesh Walia.
- 2. Symposium on "Mentoring for Promotion of Adolescent Health", at Chandigarh on Sept 07, 2012. Resource faculty: Dr. N.K. Goel, Dr. M.K. Sharma, Dr. Dinesh Walia, Dr. Sonia Puri.
- 3. Symposium on "Gender Preference and Some Reproductive Health Challenges", at Chandigarh on Sept 29, 2012. Resource faculty: Dr. N.K. Goel, Dr. Dinesh Walia.
- 4. Workshop on "Randomized Response Techniques for Sensitive Surveys", at Chandigarh on October 20, 2012. Resource faculty: Dr. N.K. Goel, Dr. Dinesh Walia.

Papers presented at National/International Conferences:

- 1. Dr. N.K. Goel presented paper entitled "Workplace stress and its correlates among the employees of Panjab University, Chandigarh" at 40th Annual National Conference of IAPSM at Nagpur, January 22-24, 2013.
- 2. Dr. M.K. Sharma presented paper entitled "To study the association of education with some important parameters related to maternal and child health in GMCH, Chandigarh" at 40th Annual National Conference of IAPSM at Nagpur, January 22-24, 2013.
- 3. Dr. Dinesh Walia presented the paper entitled "Reproductive Behaviour of Couples In Urban Slums Of Chandigarh, India" at 30th National Conference on Medical Statistics at DMC Ludhiana October 6-8, 2012.
- 4. Dr. Dinesh Walia presented the paper entitled "Intimate Partner Violence In North India: Individual And Contextual Risk Factors And Its Health Consequences" at 1st National Conference of Urban Health Society of India (UHSI) at Surat, Gujrat, Dec 1-2, 2012.
- 5. Dr. Dinesh Walia presented the paper entitled "Bayesian analysis of a Dose-Response Model for Rayleigh Response-Time Distribution" at International Workshop/Conference on Bayesian Theory and its Applications (IWCBTA), DST Centre of Interdisciplinary

- Mathematical Sciences and Department of Statistics, Banaras Hindu University, Varanasi, India, Jan 6-10, 2013.
- 6. Dr. Dinesh Walia presented the invited talk "Psycho -Sexual Problems and Changing Life Style of Adolescents" at National Seminar on Stress and Health Management, Sponsored by UGC at Govt Auto Girls PG College of Excellence at Sagar (MP) during Feb 01-02, 2013.
- 7. Dr. Dinesh Walia presented the paper entitled "Correlates of Menstrual Problems among Unmarried Girls in Chandigarh".atConference on Applied Statistics and its Applications 2013 at BBA Central University Lucknow, March 16-17, 2013.
- 8. Dr. Sonia Puri presented the paper entitled "Assessment of Occular Morbidity in School Children of Chandigarh City." at 40th Annual National Conference of IAPSM at Nagpur, January 22-24, 2013.

Memberships of International societies:

- 1. Dr. N.K. Goel, Dr. M.K. Sharma.: Life Member of International Union for Health Promotion and Education-South East Asia Region Bureau. Member of many professional Associations
- 2. Dr. N.K. Goel, Dr. M.K. Sharma, Dr. Dinesh Walia & Dr. Tarundeep Singh. Life Member of International Epidemiological Association (IEA). Member of many professional Associations
- 3. Dr. N.K. Goel, Dr. Dinesh Walia. Member of International Society of Urban Health(ISUH)

Membership Of An Executive Committee/Treasurer Ship/Assistant Or Joint Secretary Ship Of National Societies

Dr. N.K. Goel

- 1 Vice-president: Consortium against Rabies
- 2 Honorary Secretary: Chandigarh State Branch IPHA Chandigarh (U.T.)

CMEs organized:

- 1. Workshop on "Biostatistical Aspects Of Randomized Clinical Trials (RCT) And Medical Ethics", Sept 21-23, 2012.
- 2. Symposium on "Mentoring For Promotion Of Adolescent Health", Sept 07, 2012.
- 3. Symposium on "Gender Preference And Some Reproductive Health Challenges", Sept 29, 2012.
- 4. Workshop on "Randomized Response Techniques For Sensitive Surveys", October 20, 2012.
- 5. Workshop on "Breast Cancer Awareness". October 08, 2012.

Taking part in Seminar/Conference as delegate:

- 1. 40th Annual National Conference of IAPSM at Nagpur, January 22-24, 2013.
- 2. AIDSCON-2 at Chandigarh, February 28-March 1, 2013.
- 3. 30th National Conference on Medical Statistics at DMC Ludhiana October 6-8, 2012.
- 4. 1st National Conference of Urban Health Society of India (UHSI) at Surat, Gujrat, Dec 1-2, 2012.
- 5. International Workshop/Conference on Bayesian Theory and its Applications (IWCBTA), DST Centre of Interdisciplinary Mathematical Sciences and Department of Statistics, Banaras Hindu University, Varanasi, India, Jan 6-10, 2013.
- 6. National Seminar on Stress and Health Management, Sponsored by UGC at Govt Auto Girls PG College of Excellence at Sagar (MP) during Feb 01-02, 2013.
- 7. Conference on "Applied Statistics and its Applications 2013" at BBA Central University Lucknow, March 16-17, 2013.

Invited talk/talk in Local, State level, Regional Conference or Meeting/CME:

Dr. N.K. Goel delivered talk on

- 1. "Gender inequality" at Centre for Public Health, Panjab University, 2013.
- 2. "Investigation of an epidemic due to non-communicable diseases" at CHASCON, Panjab University in March 2013.

Dr. N.K. Goel and Dr. Sonia Puri delivered

- 1. Several talks on "ICD-10" at held at SIHFW, Mohali, Punjab.
- 2. Several talks on "Nutrition" at National Nutrition Bureau, Sector: 23, Chandigarh.

Dr. Tarundeep Singh delivered talk

- 1. Master trainer on "Operational Planning for HSS 2012: PSACS" in December 2012.
- 2. "Health Awareness" at State B.Ed. College, Sector: 20, Chandigarh.

Services

Comprehensive health care is being provided to the community at village sector-56, and adjoining area through Rural Health Training Centre and Urban Health Centre at Sector 44, Chandigarh. In addition, Geriatric OPD at Govt. Medical College & Hospital, Chandigarh has also being run by department since March 2012. Following services were provided:

Services	2012-2013	2011-2012			
OPD services					
RHTC Palsora	35810	36081			
UHTC Sector ⁻ 44	27287	28240			
Geriatric OPD, GMCH	12067	20388			
Minor O.T.					
RHTC Palsora	3240	2886			
UHTC Sector-44	593	463			

Training

- 1. 3 students are undergoing training in MD (Community Medicine),
- 2. 2 students are undergoing training in DNB (Health Administration),
- 3. 3 students are undergoing training in Masters of Public Health (MPH), and
- 4. 150 students are undergoing training in each in M.B.B.S. 1st Prof., 2nd Prof. & Final Prof (Part–I).
- 5. One candidate was awarded DNB (Health Administration) degree, and
- 6. 43 students passed M.B.B.S. Final Prof. (Part-I).

Research Completed

- 1. "Iycf and other correlates of anthropometric failures among children" sponsored by DST. Principal Investigator: Dr. Dinesh Walia and Co-PI: Dr. N.K. Goel.
- 2. "Correlates of improvident maternity in urban slums of Chandigarh" funded by ICMR. Principal Investigator: Dr. Dinesh Walia and Co-PI: Dr. N.K. Goel.
- 3. "Assessment of ocular morbidity and quality of services provided by vision health professionals to children of Chandigarh" sponsored by DST. Principal Investigator: Dr. Sonia Puri.

Research In Progress

Sponsored

- 1. "Complementary and alternative medicine (cam) use among cancer patients" sponsored by ICMR. Principal Investigator: Dr. Dinesh Walia and Co-PI: Dr. N.K. Goel.
- 2. "Natural mentoring and its impact on adolescent health", funded by ICMR, Under Progress. Principal Investigator: Dr. Dinesh Walia and Co-PI: Dr. N.K. Goel.
- 3. "Development of atlas of cancer in punjab state" sponsored by icmr. Co-PI: Dr. Sonia Puri.
- 4. "Still births in chandigarh a hospital based study" sponsored by DST. Principal Investigator: Dr. Sonia Puri.

Non-Sponsored:

- 1. "Evaluation of internship training programme at gmch chandigarh." Principal Investigator: Dr. N.K. Goel, Co-Investigator Dr. M.K. Sharma, Dr. Dinesh Kumar, Dr. Navpreet.
- 2. KAP study among new medical entrants at GMCH Chandigarh." Principal Investigator: Dr. N.K. Goel, Co-Investigator Dr. Dinesh Kumar, Dr. Navpreet.
- 3. "Epidemiologic study of gastrointestinal cancers reporting to GMCH." Principal Investigator: Dr. M.K. Sharma and Co-Investigator Dr. Tarundeep Singh.

Departmental Highlights

Department of Community Medicine continues to be the Nodal Agency for:

- 1. Pulse Polio Immunization in Chandigarh.
- 2. Swine Flu reporting of GMCH,
- 3. IDSP reporting of GMCH,
- 4. Facility Based Maternal Death Review, and Hospital Based Cancer Registry at GMCH Chandigarh.
- 5. The department is carrying out water surveillance in 04 areas of Chandigarh city viz. Dhanas, Palsora, Colony No. 5 and Kajheri since 2002
- 6. Various days of public health significance were being celebrated by the department e.g. World Health Day 2012, National Environment Awareness Campaign 2012, World Breastfeeding Week 2012, World Cancer Day 2013 etc.
- 7. Dr. Dinesh Walia is a coordinator for teaching of Biostatistics, Research Methodology and Medical Ethics for all PG students of GMCH Chandigarh.
- 8. Dr. N.K. Goel is a resource faculty in teaching of Research Methodology for all PG students of GMCH Chandigarh. The department is actively involved in the MPH course for the Centre for Public Health, Panjab University, Chandigarh.

- 9. Dr. N.K. Goel is a Chairperson of Institutional and Independent Ethics Committee at Chitkara College of Pharmacy, Chitkara University, Punjab.
- 10. Dr. N.K. Goel is a Member of State Task Force on RNTCP, Govt. of India Chandigarh.
- 11. Dr. N.K. Goel and Dr. Dinesh Walia are Members of Board of Studies/Committee in PG Coursein Public Health (MPH), Centre for Public Health, Institute for Emerging Areas in Science and Technology, Panjab University Chandigarh.
- 12. Dr. Dinesh Walia is a Member Institutional Research and Ethics Committee of GMCH Chandigarh and Member of the Board of Studies/Committee in System Biology and Bioinformatics, Panjab University Chandigarh.
- 13. Dr. Sonia Puri and Dr. Tarundeep Singh are Members of Supervisory Committee of Chandigarh SACS for Monitoring & Evaluation.
- 14. Dr. Tarundeep Singh is a Member of State Surveillance team of Punjab.
- 15. Dr. Navpreet is a Member Institutional and Independent Ethics Committee at Chitkara College of Pharmacy, Chitkara University, Punjab.
- 16. Dr. Navpreet is a coordinator for Committee on Punjab Clinical Establishment Act 2010.

Indexed Publications

- Sorab Gupta, Vishal Jindal, Dinesh Kumar and Sandeep Singh Sarpal. Effect of Mentoring on Psycho-Social Behavior, Lifestyle, Sexual Behavior and Health Condition of Professional Students, J of Psychol & Psychother, 2013, Vol 3, Issue 2.
- Cochrane Review Article 'Anti-IgE therapy for allergic bronchopulmonary aspergillosis in people with cystic fibrosis'.

028710101811364867.

Books

- "Awareness of quality of drinking water in slums of Chandigarh" – E-book by Dr. N.K. Goel.
- 2. "Impact of oral health education in children of Anganwad is in Chandigarh" -- E-book by Dr. N.K. Goel.

DEPARTMENT OF DENTISTRY

Faculty

Gurvanit Lehl Professor & Head MDS (Pedodontia and

Preventive Dentistry)

Manjit Talwar Associate Professor MDS (Pedodontia and

Preventive Dentistry

Sapna Singla Assistant Professor MDS (Orthodontia)

Faculty resigned

Anand Gupta Assistant Professor MDS (Oral and

(Resigned wef 25th March 2013) Maxillofacial Surgery)

Dr. Gurvanit Lehl

1. Fellow of International College of Dentists

- 2. Member of International College of Dentists
- 3. Executive committee member of Indian Dental Association, Chandigarh State Branch.
- 4. Took part in CDEs conducted by Indian Dental Association, Chandigarh State Branch.

Dr. Manjit Talwar

- 1. Paper presented at the National Conference -66th Indian Dental Conference, Science city, Kolkata, Feb 2013.
- 2. Participated in the National conference of Indian Dental Association at Kolkata as a delegate, Feb 2013.

Dr. Sapna Singla

- 1. Paper presented at International Conference at New Delhi (8th APOC & 47th IOC)
- 2. Participated in the International Conference at New Delhi (8th APOC & 47th IOC).

Services

The services are provided in the tabular form for the year 2011-12.

S. No.	Type of work done	2011	2012
1.	Restrorations (silver filling, glass i onomer filling, Light cure composite filling)	1446	1192
2.	Endodontics (Root canal procedure)	1761	1624
3.	Periodontics (scaling, curettage, perio surgery)	561	590
4.	Prosthetic (impressions, crown cutting, metal trial, crown delivery, RPD, CD)	446	480
5.	Extractions	791	927
6.	Impactions	155	205
7.	Fixed orthodontic appliances and other orthodontic procedures (follow-up)	394	465
8.	Other major surgical procedures	150	115
9.	Other minor surgical procedures	328	551
10.	Orthodontics Record Preparation	347	178
12.	Intra occlusal periapical x-ray	5552	7568
13.	OPG and CEPH	1061	1471
14.	Total OPD for the month (OPD + clinic)	14998	16874

The new services started are as follows:

- 1. Complete dentures to patients of old age home, sec-15, Chandigarh and those below poverty line w.e.f. April 2007 and continuing till date.
- 2. Removable partial dentures to all patients visiting the department of dentistry w.e.f. April 2007 till date.
- 3. Provision of crown and bridges to all patients visiting the department of dentistry w.e.f January 2008 till date.
- 4. Fixed orthodontic treatment and interceptive orthodontic treatment: fabrication of removable appliances-retainers, anterior bite plate, expansion plate etc w.e.f. Jan 2008 till date.
- 5. Starting of indoor facility (six beds) for patients undergoing oral and maxillofacial surgery presenting with oral and maxillofacial trauma and surgical management of patients with jaw tumors w.e.f. August 2012 to March 2013.

Training

Lectures on Dentistry for the MBBS students.

Departmental Highlights

The inauguration of the new dental department- Oral Health Centre was done on 13th August 2012. Ten new fully Digital Microprocessor Controlled Dental Chairs were installed in the department and are fully functional. The department is providing a variety of basic and specialized dental services in the specialities of Pedodontia (dentistry for children), Geriatric (dentistry for aged), Prosthodontics (Crown cutting and maxillofacial prosthesis), Periodontia (gum disease), Oral and Maxillofacial surgery, Orthodontia (treatment of malocclusion) and 24 hours emergency services. The various services provided are –filling, extraction, impaction, scaling root planning ,Root Canal Treatment, Flap Surgery, apicoectomy, curettage, gingivectomy, bone grafts, removable orthodontic treatment, closed reduction, Open reduction of fractures and splinting.





Indexed publications

- 1. Talwar M, Awana M. Unusual presentation of foreign body in a pediatric patient. Int. J Experiment Dent Sci., 2012; 1(2):110-112.
- Rupinder Kaur, Gurvanit Lehl. Retrospective Analysis of Maxillofacial Injuries. In The Dental Department of a Medical College. Indian Journal of Dental Sciences 2012, Vol 4 Issue 3: 30-32.
- 3. Talwar M, Malik G, Sharma S. Prevalence of Dental caries and Periodontal Disease in the Elderly of Chandigarh-A Hospital based study. Journal of Indian Dental Association 2012; vol 6(2):78-82.
- 4. Talwar M, Malik G. Oral Health Considerations for the Elderly-problems and management strategies. Published online Indian Journal of Dentistry May 2012.

Publication in the Journal of Medical College Chandigarh.

Anand Gupta, Dheeraj Kapoor, Shammi Kapoor, Gurvanit Lehl. Comprehensive Management of Panfacial Trauma with Oral Rehabilitation Vol-2, Number-2, September 2012: 37-40.

Chapter in book

Dr. Gurvanit Lehl

S. G. Damle. Text book of Pediatric Dentistry. 4th Edition 2012, Arya Publishing House Pvt. Ltd.

Dr. Manjit Talwar

Good Clinical Practice: Code and Application, pp-92-112. In Saini R. Fundamentals of Clinical Trial and Research, first edition. Paras Medical Publisher, Hyderabad, New Delhi, 2012.

DEPARTMENT OF DERMATOLOGY

Faculty

G.P. Thami Professor & Head MD
Mala Bhalla Associate Professor MD
Geeta Garg Assistant Professor MD

Dr. G.P. Thami chaired a session in Dermatology CME organized by the deptt. Of Dermatology, PGIMER, Chandigarh on 23-24th March, 2013.

Dr. G.P. Thami chaired a session in a conference-cum-CME AIDSCON-2 organized by the National AIDS control organization and presented a paper entitled "Sero prevalence of syphilis and HIV in STI clinic attendees in Tertiary care hospital(Chandigarh) on 28th Feb & 1st March, 2013.

Dr. Mala Bhalla chaired a session in the 1st Annual Meeting of Vitiligo Academy of India, and 2nd VITILICON-2012, April, 28-29, 2012.

Papers presented in national / international conferences

Dr. Geeta Garg, attended a conference-cum-CME AIDSCON-2 organized by the National AIDS control organization and presented a paper entitled "Sero prevalence of syphilis and HIV in STI clinic attendees in Tertiary care hospital(Chandigarh) on 28th Feb & 1st March, 2013.

Taking part in seminar / conference as delegate

Dr. Mala Bhalla & Dr. Geeta Garg participated as delegate in the 1st Annual Meeting of Vitiligo Academy of India, and 2nd VITILICON-2012, April, 28-29, 2012.

Delivering an invited talk/talk in local, state, level, regional conference or meeting/CME.

- 1. **Dr. G.P.Thami** delivered lectures on STI/RTI training to doctors & paramedical staff, NACO, Haryana.
- 2. **Dr. Mala Bhalla** delivered lectures on Disability prevention and medical rehabilitation of leprosy patients under the State leprosy control Program.
- 3. **Dr. Mala Bhalla** delivered a lecture on Skin & Midlife in the Indian Menopause Society on 8th Dec.2012.

4. **Dr. Geeta Garg** delivered lectures on STI/RTI training to doctors & paramedical staff, NACO, Chandigarh.

Service

SPECIAL CLINICS

1.	Psoriasis	-	Once per week
2.	Leprosy	-	Once per week
3.	STD	-	Alldays
4.	Sexual Health	-	Once per week
5.	Urticaria/Bullous disease	-	Once per week
6.	Pigmentary disease	-	Once per week
7.	Paediatric Dermatology	-	Once per week
8.	Hair Disorders	-	Once per week
9.	Cutaneous. Tuberculosis	-	Once per week
10.	Contact Dermatitis	-	Once per week
11.	Cosmetology	-	Once per week

	1/4/2011 to 31/3/2012	1/4/2012 to 31/3/2013
MINOR OPERATIONS	3095	3576
MAJOR PATIENTS	207	231
ASD	826	665

OPD & IPD DATA

Year	Admission	Emergency	New OPD	Revisit OPD
2011 (1/4/2011 to 31/3/2012)	623	651	8727	19308
2012 (1/4/2012 to 31/3/2013)	558	706	9184	21657

Training

1. Students Training Programme: Undergraduate: 2 weeks clinical posting Postgraduate: 2 DNB trainees

Departmental Highlights

The department of dermatology provides expert care to the patients of chronic dermatological diseases through the special clinics. Various dermato surgical procedures including cosmetology procedures are done in the department. For the facility of the patients an appointment clinic has also been started.

Indexed Publication

- Dhingra M, Kaistha N, Bansal N, Solanki LS, Chander J, Thami GP, van de Sande WW.Nocardia nova mycetoma over forehead in a lepromatous leprosy patient. Dermatol Online J. 2012 Jul 15;18(7):3. PubMed PMID: 22863625.
- 2: Garg G, Thami GP. Psoriasis Herpeticum due to Varicella Zoster Virus: AKaposi's Varicelliform Eruption in Erythrodermic Psoriasis. Indian J Dermatol.2012 May;57(3): 213-4. PubMed PMID: 22707775; PubMed Central PMCID: PMC3371527.
- 3: Solanki LS, Thami GP .Epidermal nevus syndrome.Indian Pediatr. 2012 Apr;49(4): 341-2. PubMed PMID: 22565088.

- 4. Dhingra M, Garg G, Gupta M, Khuran V. Thami GP, Exogenous insulin derived acanthosis Nigricans: Could it be a cause of increased insulin requirement? Dermatol Online J.19(1):9.2013.
- 5. Garg G, Thami GP. Psoriasis Herpeticum due to Varicella Zoster virus. A kaposi's varicelliform eruption in Erythrodermic psoriasis. Indian J Dermatol.2012. May; 57(3): 213-4.
- 6. Garg G, Mala Bhalla, Thami GP. Transient infantile pattern hyperpigmentation. Pediatr Dermatol. 2012 May-June;29(3):372-3.
- 7. Garg, Mohan H, Bisht B, Goel P. Vulval elephantiasis: A case report. Case Rep. Infect D 2012; 430745, Dol:10.1155/2012/430745.

DEPARTMENT OF DIETETICS

Faculty

Madhu Arora
Officiating Chief
B.Sc. (Home Science), PG
Dietician (RD)
Diploma in Nutrition & Dietetics,
PGD Hotel Management,

M.Sc. Dietetics & Food Services

Management, Registered

Dietician, RD

Ramandeep Benipal Junior Dietician B.Sc. (Home Science), P.G.

Diploma in Nutrition & Dietetics, M.Sc. (DFSM)

Reema Bhatia Junior Dietician B.Sc. (Home Science)

M.Sc. (Foods & Nutrition)

Nikita Sihag Junior Dietician B.Sc. (Home Science) M.Sc.

(Foods & Nutrition)

Conferences attended:

- 1. CME on "Latest trends in Nutrition" by Hexagon Nutrition, Agrasen Hospital, New Delhi 13th Oct, 2012 Dt. Madhu Arora.
- 2. Conference on "Renal Nutrition update" by Nestle Nutrition Apollo Hospital, new Delhi 14th Oct 2012 Dt. Madhu Arora

Lectures delivered:

Dr. Madhu Arora

- 1. "On emerging Trends in Health & Nutrition in a National seminar in Dev Samaj College of Home Science, Ferozpur city, Punjab, November 2012.
- 2. Acted as chairperson in a seminar on "Difficult case meeting on Weight Management" at Fortis Hospital, Mohali 19th Oct 2012.
- 3. Acted as a panelist in a workshop on "Role of Calcium in Osteoporosis" held by the Menopausal Society of Chandigarh, at Majestic hotel Mohali, 20th Oct 2012 Dt. Madhu Arora.
- 4. Invited as a panelist by the Menopausal Society of Chandigarh on the topic "Role of vitamin D in Pregnancy in Menopause", November 2012.
- 5. Lecture on Nutrition in Yoga, Institute sector 19, Chandigarh delivered by Madhu Arora.
- 6. Article in Chandigarh Tribune "Do not starve, balance it", 18th March 2012 by Ms. Madhu Arora.

- 7. Article in Amar Ujala on "Healthy breakfast for children" on 10th Sept. 2012 by Ms. Madhu Arora.
- 8. Article in Chandigarh Tribune (Lifestyle) on "Sweet Trap" on 29th Sept. 2012 by Ms. Madhu Arora.

Ms. Anita

Delivered a talk on Healthy eating habits in Brainstorm organized by MBBS students of GMCH in January 2013

Ms. Reema Bhatia

Delivered a talk on Healthy food habits and role of breakfast among school children of Delhi Public school, Chandigarh in August 2012.

Numerous papers were presented in National / International Conferences during the year 2012-2013.

- 1. The lifetime member of the Indian Dietetic Association is also a member of International Confederation of Dietetic Association (ICDA). So all the above are IDA & ICDA members.
- 2. Ms. Ramandeep & Ms. Reema is also a member of ISPEN.

Services

Diet is compulsory for all warded patients. New tiffin services and food items for patients started during this session. Special clinic of Oncology department started by the dietetic deptt.

Total no. of patients during 2012 -2013 for OPD - 2569

Special clinic for Oncology OPD – 252

Training

Three months training and Six weeks training during the post graduation and there is compulsory Short term training after PG in the Department of Dietetics.

Two batches of each: -

Total no. of students in two batches for short term training during this period – 18

Total no. of students in two batches for three months training during this period – 26

Total no. of students in two batches for six weeks training during this period – 26

Research completed during the year:

- 1. A study on diabetic foot patients in GMCH 32, Chandigarh.
- 2. To project the incidence of diagnosed Diabetes Mellitus patients with complications and assessment of the underline cause of disease in GMCH 32, Chandigarh.

Departmental Highlights:

- 1. Monthly meetings with the trolley bearers & cooks.
- 2. Twice a week OPD visits by interns (Diet Counseling for Cancer Patients)
- 3. Nutrition awareness programme for students organized on the eve of Euphoria by GMCH, jan 2013.
- 4. Play on Alcohol abuse & flash card presentation on hygiene & sanitation for workers in the Dietetics deptt. 2013.
- 5. Department organized a Nutrition exhibition on Disaster Management in 2012.
- 6. Department of Dietetics is organizing Nutrition Week celebration on 2nd September 2013 on the theme "Nutritional management in Renal diseases".
- 7. On this occasion exhibition on Nutrition in Renal disease, poster presentation nutrition quiz, nutrition game & stalls, lecture on Management in renal disease will be organized on 2nd sept. 2013. Nutrition news letter will be inaugurated on this date.
- 8. A yearly Nutrition News letter is being published by the department.

Indexed Publications:

A study on diabetic foot patients in GMCH-32, Chandigarh.

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY

Faculty

Dasari Harish	Professor & Head	MD
CH Chaveli	Associate Professor	MD
(Resigned 2013)		
Ajay Kumar	Associate Professor	MD
Amandeep Singh	Assistant Professor	MD

Dr. Dasari Harish chaired the following sessions:

- 1. National symposium on Technological Advancements in Forensic Applications and 11th National Conference of Indian Congress of Forensic Medicine and Toxicology at Chandigarh on 4th Jan 2013.
- 2. Forensic Medicon-2013 XXXIV Annual National Conference of the Indian Academy of Forensic Medicine at Manglore on 2nd Feb 2013.
- 3. 2nd Conference of the Indo-Pacific Academy of Forensic Nursing Scinece at Dhahon Kaleran (Nawanshahar) on 8th April 2013.

Invited Lectures at National Conference/CMEs:

- 1. "Medicolegal liabilities of the Allopathic Doctor" at National CME Programme by IMA, Punjab at Patiala on 9th Sept. 2012.
- "Computerization of Medico-Legal Reports: Present day Scenario" at National Sympsioum on Technological Advancements in Forensic Applications and 11th National Conference of Indian Congress of Forensic Medicine and Toxicology at Chandigarh on 4th Jian 2013 organised by PGIMER.
- 3. "Interpretation of postmortem findings by Forensic Nurse" at 2nd Conference of the Indo-Pacific Academy of Forensic Nursing Scinece at Dhahon Kaleran (Nawanshahar) on 8th April 2013 organised by Guru Nanak College of Nursing.

Papers presented:

Dr.Dasari Harish

Computerization of Medico-legal work-Experience at Government Medical College & Hospital, Chandigarh at XXXIV Annual National Conference of the Indian Academy of Forensic Medicine at Manglore on 2nd Feb 2013.

Dr.Ajay Kumar

- Euthanesia: Current status in India. National Symposium on Technological Advancement in Forensic Application and 11th National Conference of Indian Congress of Forensic Medicine and Toxicology. 4-5th Jan 2013. PGIMER Chd
- Retreival of drugs from drug pedeller the cruel way. National Symposium on Technological Advancement in Forensic Application and 11th National Conference of Indian Congress of Forensic Medicine and Toxicology. 4-5th Jan 2013.PGIMER Chd
- Animal attack Vs Drug retrieval a case report. 4th International Conference on Legal medicine, Medical negligence and litigation in medical practice. 25-27th Jan 2013. Kovalam Kerala.

Dr. Amandeep Singh

- Study of increasing road rage in motor vehicle drivers: causes, effects and its prevention. National Symposium on Technological Advancement in Forensic Application and 11th National Conference of Indian Congress of Forensic Medicine and Toxicology. 4-5th Jan 2013, PGIMER, Chandigarh
- 2. Use of UV Light in enhancement of Old bitemarks— a case report. 4th International Conference on Legal medicine, Medical negligence and litigation in medical practice. 25-27th Jan 2013, Kovalam, Kerala.

Visit to other Institutes for Academic purposes:

- 1. **Dr.Ajay Kumar-**Training classes of doctors and Paramedical Staff Regional Health Statistical Training Center, Mohali (Under MOHW)
- Dr. Dasari Harish, Dr. Ajay Kumar and Dr Amandeep Singh-Induction Training Programme of doctors joining PCMS at the State Institute of Health and Family Welfare, Mohali.
- 3. **Dr. Dasari Harish, Dr. Ajay Kumar and Dr. Amandeep Singh-**Training of Public Prosecutors and Assistant Public Prosecutors of Punjab at the Mahatama Gandhi State Institute of Public Administration, Punjab, Sector 26 Chandigarh.
- 4. **Dr.Dasari Harish-**UG Teaching of IInd Prof BHMS students at Homeopath College, Sector 26, Chandigarh.
- 5. **Dr. Dasari Harish.** Training of Police personnel of North and East India at the Central Detective Training Institute, Sector-36, Chandigarh.

Membership of Executive Committee of National Societies:

Dr. Dasari Harish

Joint Secretary, Indian Congress of Forensic Medicine & Toxicology (ICFMT)

CMEs organized

Organized a 2 day training programme for doctors/staff nurses on "Women Epowerment" in collaboration with the State Health Society, Chandigarh on 13.05.13 to 14.05.13.

Services

- 1. The Department of Forensic Medicine & Toxicology conducts teaching for the undergraduates in the 2nd prof. and postgraduate students admitted to the department.
- 2. 15 days compulsory posting of the interns in the casualty through the department, has been started as per the MCI (Medical Council of India) regulations. The interns also have optional posting in Forensic Medicine.
- 3. Total no. of Medico Legal Autopsies performed by the department in 2011 -770 and in 2012 818.
 - Total No. of Medico Legal Cases coming to the Casualty in 2011-
 - Total No. of Medico Legal Cases Coming to the Casualty in 2012 -
- 4. The department also conducts age estimation both for Medico Legal and Non Medico Legal cases which is done by the faculty of the department.
- 5. The faculty of the department also give expert opinion in Medico Legal cases referred to by other departments and institutes.

Service to the Dead

The Department performed embalming of bodies which are to be preserved for transportation to various places in and out of the country.

Publications

- 1. Kumar A, Chavali KH, Harish D, Singh A Pattern of cause of death in unknown dead bodies: a one year prospective study. JPAFMAT, 2012; 12(2),92-95.
- 2. Singh A, Kumar A, Chavali KH, Harish D. Use of arm-span and foot length for
- estimation of height of the person. JPAFMAT, 2012; 12(2),87-91.
- 3. Harish D, Chavali KH, Kumar A, Singh A, Duties and responsibilities of the medical practitioner, revisited. JPAFMAT, 2012; 12(2),115-120.
- 4. Kumar A, Harish D, Chavali KH, Singh

- A. Patterns of cause of death in unknown dead bodies A three year study in a tertiary care hospital. JIAFM 2012;34(4):304-308.
- 5. Singh P, Harish D, Profile of burn cases at Government Medical College & Hospital, Chandigarh, IJFMT, 2012:6(1),56-59.
- 6. Harish D, Chavali KH, Singh A and Kumar A. Section 320 IPC An

Appraisal. Anil Aggrawal's Internet Journal of Forensic Medicine and Toxicology [serial online], 2013; Vol. 14, No. 1 (Jan - June 2013): [about 6 p]. Available from:

http://www.anilaggrawal.com/ij/vol_014_no_001/papers/paper002.htm l. Published: Jan 1, 2013, (Accessed: June 01, 2013).

DEPARTMENT OF GENERAL MEDICINE

Faculty

Atul Sachdev Professor MD, DM(Gastroenterology), MAMS
Ram Singh Professor & Head MD

Sarabmeet S Lehl Professor MD

Sanjay D'Cruz Associate Professor MD, DNB, DM (Nephrology), MAMS

Monica Gupta Associate Professor MD, DNB Med

Jeet Ram KashyapAssociate ProfessorMDKamal SinghAssociate ProfessorMDPritam SinghAssociate ProfessorMD

Neeraj Singla Associate Professor DNB Medicine

Yashdeep Gupta Associate Professor MD, DM (Endocrinology)
Mukesh K. Yadav Associate Professor MD, DM (Cardiology)

Anurag Jindal Assistant Professor MD, DM (Gastroenterology)

Prof. Atul Sachdev is presently the Director Principal of GMCH. He has been a faculty of General Medicine since September 1993. He has been awarded Fellowship of Indian Academy of Clinical Medicine (FIACM) in 2003 and fellowship of International Medical Science Academy (FIMSA) in 2009. He has been the pioneer of gastroenterology services in this institute, which the department has been providing since 1994. Recently he has been awarded membership of National Academy of Medical Sciences. He is the founder member and secretary Gastrointestinal Infection Society of India and currently is President elect of Gastrointestinal Infection Society of India. He has been an invited faculty to various national and international meets and has also presided over numerous academic sessions. He has several national and international publications to his credit and reviewer in various journals of repute including Journal of Pancreas, Emergency Medicine and Journal of Neuropsychiatry and Neurophysiology, Hepatology, Neurology India.

Prof. Ram Singh, MD is Professor in the department since 2004 presently heads the department. He has been awarded fellowship of Indian Academy of Clinical Medicine (FIACM) in 2003. He has been trained as an internist at PGIMER Chandigarh along with 3 years experience in Hepatology. In addition to being a good internist, he is also trained in neurophysiology, dialysis and endoscopy. He however spends most of the time looking after the neurophysiology laboratory services i.e. EEG, EMG, NCV. He has a special interest in diabetes mellitus and is a member of

Academic Branch of Research Society for Study of Diabetes in India, currently also serving as an office bearer of the local Chandigarh chapter. He has been an invited faculty to various national and international meets and has also presided over numerous academic sessions. He has several National and international publications to his credit. He is also the deputy medical superintendent of GMCH for the past 6 years.

Prof. S S Lehl, MD is Professor in the department since 2007. He has worked in the department of rheumatology in PGIMER for three years. He has special interest in the field of Geriatric Medicine. He was a member of working group in a WHO workshop on health care of the elderly. He has been awarded fellowship of Indian Academy of Clinical Medicine (FIACM) in 2003. The department of Medicine is the only department which is running a specialized clinic in geriatrics in this part of the country under his stewardship. He is a Foundation for Advancement of International Medical Education and Research (FAIMER) fellow since the year 2010. He is on the national advisory board for the Journal of Indian Academy of Geriatrics. He has been coinvestigator in 2 WHO sponsored projects related to health care of the elderly. He is also involved in non-invasive cardiac care looking after Tread mill test laboratory. He has been an invited faculty to various national and international meets and has also presided over numerous academic sessions. In 2012, he delivered the Venkoba Rao Oration at the national conference of Indian Academy of Geriatrics at Jodhpur. He has several National and international publications to his credit. He has served as the honorary secretary of Indian Academy of Geriatrics.

Dr. Sanjay D'Cruz, MD, DNB, DM (Nephrology), MAMS, is an Associate Professor in 2006. He received his postgraduate training in medicine and nephrology at PGIMER Chandigarh. He is credited to have started the nephrology services in this institute. He is currently heading the renal unit. He was awarded scholarship by the International Society of Nephrology in the year 1997 and visited Sydney, Australia on this scholarship program. He went as a visiting professor in the faculty of medicine to Jianxi Chinese Medical University, Peoples Republic of China in the year 2007 for a period of 4 ½ months. He has been awarded membership of National Academy of Medical Sciences in 2009. He has been an invited faculty to various national and international meets and has also presided over numerous academic sessions. He has over 60 national and international publications to his credit. He is also a reviewer and on editorial board for various national and international journals like Nephrology, World journal of Nephrology, World journal of Pediatrics, Journal of Pancreas and Indian Journal of Nephrology and Journal of Metabolomics and System Biology. He is currently serving as a Council member of Asia Pacific society of Nephrology since 2013 and is an executive member in the governing body of ISN (Indian Society of Nephrology) since December 2011.

Dr. Monica Gupta, MD, DNB Medicine is an Associate Professor in the department since 2013. She trained as an undergraduate and post graduate in medicine at the All India Institute of Medical Sciences (AIIMS), New Delhi. She has been awarded fellowship of International Medical Science Academy (FIMSA) in 2009 and Fellowship of Indian Academy of Clinical Medicine (FIACM) in 2011. She has special interest in the field of Diabetes and Geriatric Medicine. She runs the Diabetes and Metabolic disease clinic in the out patient department. She is involved in non-invasive cardiac care looking after Holter laboratory. She is a member of various prestigious and professional organizations and has published over 45 papers. She has been an invited faculty to various national and international meets. She is on the national advisory board for the Journal of Indian Academy of Geriatrics. She is also a reviewer for various national and international journals like Lancet, Journal of nutrition and healthy ageing. She has served as the Treasurer of Indian Academy of Geriatrics.

Dr. Jeet Ram Kashyap, MD is an Assistant Professor in the department since 2006. He trained as an undergraduate and post graduate in medicine at the Indira Gandhi Medical College (IGMC), Shimla. He has been awarded fellowship of International Medical Science Academy (FIMSA) in 2009. He has been trained in non-interventional cardiology at GB Pant hospital, New Delhi. He has special interest in cardiology and looks after non-invasive cardiology services including echocardiography. He is a member of various prestigious and professional organizations and has published over 15papers. He has been an invited faculty to various national meets. He runs the Cardiology clinic in the out patient department. Currently he is on study leave pursuing DM (Cardiology) course at AIIMS, New Delhi.

Dr. Kamal Singh, MD is an Assistant Professor in the department since 2009. Trained as an undergraduate at Govt. Medical College Trichur (Kerala), Postgraduate in medicine at GSVMMedical College Kanpur.

Dr. Pritam Singh, MD is Assistant Professor in the department since 2011. He received his educational training as an undergraduate and post-graduate in General Medicine at Maulana Azad Medical College (MAMC), New Delhi. He has an academic interest in the field of Critical Care Medicine and is actively involved in management of patients in Emergency ward, including patients requiring mechanical ventilation support. He has several academic publications to his credit.

Dr Neeraj Singla is an Assistant Professor in the department since 2013. He trained as an undergraduate from BFUHS and post graduate in medicine from National Board of Examinations. (MAY 2008). He is a member of various professional bodies including API, RSSDI. He has done

advanced courses & training in Non –Invasive Cardiology: Indraprastha Apollo Hospital, N-Delhi(Aug 2008), Post Graduate Program in Cardiology: John Hopkins University, New-York(2012-13), Advanced course on Hypertension: European Society of Hypertension (2012-13) and Diabetes Management: Joslin Diabetic Center (15/07/2012).

Dr. Yashdeep Gupta is an Assistant Professor in the department since 2013. He trained as an undergraduate from Delhi university and post graduate in medicine from PGIMER Chandigarh (2008). Subsequently he completed his super specialization in endocrinology from AIIMS New Delhi in 2012. He is a member of various professional bodies including RSSDI, DIPSI and ISBMR. He has 8 publications to his credit.

Dr Mukesh Yadav is an Assistant Professor in the department since 2013. He trained as an undergraduate from Rajasthan University and post graduate in medicine from Rajasthan University (2006). Subsequently he completed his super specialization in Cardiology from PGIMER Chandigarh in 2011. He was associated with stem cell project in PGI as a research associate in 2008. He is a member of various professional bodies including API, CSI. He has 12 publications to his credit.

Dr. Anurag Jindal is an Assistant Professor in the department since 2013. He trained as an undergraduate from Patiala and post graduate in medicine from GMC Amritsar (MAY 2005). Subsequently he completed his super specialization in gastroenterology from DMC Ludhiana in 2012. He is a member of various professional bodies including ISG.

Services being provided

In addition to Internal Medicine service the department is providing specialized services in the following fields: Gastroenterology, Hepatology, Cardiology, Neurology, Rheumatology, Nephrology, Diabetes, Thyroid, Haematology& Oncology & Geriatrics. It is worth mentioning that the first Geriatric clinic in this region was started by our department to cater to the needs of the growing elderly population.

The outpatient clinics are situated in Level - V, "B" Block, Area 53 in the OPD Block.Geriatric clinic is situated on the ground floor of B Block in the Room No.1405 for the convenience of the elderly patients.

Gastroenterology Services: Upper GI and Lower GI endoscopy are being done since the inception of the department. Therapeutic endoscopies were started in 1994. ERCP was started in the year 1995. Available equipment includes state of the art video endoscopes. Recently the department of Medicine has procured its own "C"-Arm for ERCPs'. The department is in the process of procuring endoscopic ultrasound.

Neurology Services: The services of EMG, NCV, EEG and Evoked Potential are being provided since the year 1995.

Cardiology services: Non invasive cardiology services like Tread Mill Testing (Stress test), Holter and Echocardiography are being provided since 1995. We have a state of the art 9 bedded Coronary Care Unit (CCU) situated on level 5, block C. The department started 24 hours ambulatory BP monitoring facilities in the year 2011. The department is in the process of procuring a state of the art cardiac catheterization lab.

Nephrology services: Hemodialysis was started in the year 1998. Five Hemodialysis machines cater to patients with acute and chronic renal failure and toxin overdose. Hemodialysis for inpatients is regularly performed at our center. Facilities for peritoneal dialysis and continuous ambulatory peritoneal dialysis (CAPD) are also available in the hospital. Renal biopsies are done regularly as a diagnostic tool.

Hematology services: Full care to patients with hematological problems including anaemia, thrombocytopenia, neutropenia, leukemia and lymphoma is being provided to the patients.

Rheumatology services: Patients having various rheumatological problems are provided comprehensive health care. Facilities and expertise for intra articular injections, muscle biopsies, sural nerve biopsies, minor salivary gland biopsies, intra-carpal injection and immunosuppressive therapy is available in the department.

Training

The department provides quality clinical and theory teaching to undergraduate MBBS students and junior residents. The department is involved in teaching of 200 students/ year of four batches. The Medicine curriculum starts form the 2nd year and continues till the end of final year. Both didactic lectures and clinical demonstrations are held and on an average the department takes about 8-10 theory lectures/week and 18 clinical demonstrations/week. Symposia and tutorials are held regularly for the students and their performance is assessed at periodic intervals in both theory and clinical aspects. First batch of MBBS students graduated in the year 1996.

Postgraduation in the specialty of General medicine is expected to start from the academic year 2014.

Research in progress

- 1. Carotid intimal media thickness
- 2. UTI recurrent ICMR 2012

Visiting Professors

Dr Sanjay D'Cruz went as a visiting professor in the faculty of medicine to Jianxi Chinese Medical University, Peoples Republic of China in the year 2007 for a period of 4 ½ months

Papers presented abroad

Professor Atul Sachdev delivered a guest lecture on Management of inflammatory bowel disease at 'Training the Trainers' Workshop – Conducted by The Royal College of Physicians, London at Colombo, Sri Lanka Sept 2010

Professor Atul Sachdev delivered a guest lecture on (1) Seasonal variation in coronary events presenting to ED and (2) Endoscopic evaluation of Upper gastrointestinal Bleed in elderly at Emergency Medicine in the developing world conference, Oct 2007 at Cape Town, South Africa

Dr Sanjay D'Cruz delivered a guest lecture on (1)Nephrotic syndrome in adults and (2) Lupus nephritis at 'Training the Trainers' Workshop – Conducted by The Royal College of Physicians, London at Colombo, Sri Lanka Sept 2010

Indexed publications

- Mandavi, D'Cruz S, Sachdev A, Tiwari P. Adverse drug reactions & their risk factors among Indian ambulatory elderly patients. Indian J Med Res. 2012 Sep;136(3):404-10.
- Jayant M, Punia R, Kaushik R, Sharma R, Sachdev A, Nadkarni NK, Attri A. Neuroendocrine tumors of the ampulla of vater: presentation pathology and prognosis. JOP. 2012 May 10;13(3): 263-7.
- 3. Self-medication with herbal remedies amongst patients of type 2 diabetes mellitus: A preliminary study. Singh J, Singh R, Gautam CS. Indian J Endocrinol Metab. 2012 Jul;16(4):662-3. doi: 10.4103/2230-8210.98041.
- 4. Bansal MG, Punia RS, Sachdev A.

- Clinical and needle autopsy correlation evaluation in a tertiary care teaching hospital: a prospective study of 50 cases from the emergency department. Am J Forensic Med Pathol. 2012 Sep;33(3):1 94-6. doi: 10.1097/PAF.0b013e318 23d295e.
- 5. Sachdev A, Kashyap JR, D'Cruz S, Kohli DR, Singh R, Singh K. Safety and efficacy of therapeutic endoscopic interventions in the management of biliary leak.Indian J Gastroenterol.2012 Oct 30. [Epub ahead of print]
- Arora K, Punia RS, D'Cruz S. Comparison of diagnostic quality of kidney biopsy obtained using 16G and 18G needles in patients with diffuse renal disease. Saudi J Kidney Dis Transpl. 2012 Jan;23(1):88-92.

- 7. Bansal D, Undela K, D'Cruz S, Schifano F. Statin use and risk of prostate cancer: a meta-analysis of observational studies. PLoS One. 2012;7(10):e46691. doi: 10.1371/journal.pone.0046691. Epub 2012 Oct 1.
- 8. Dhingra M, Garg G, Gupta M, Khurana U, Thami GP. Exogenous insulinderivedacanthosis nigricans: could it be a cause of increased insulin requirement? Dermatol Online J. 2013 Jan 15;19(1):9.
- Decade long unexplained anemia: alert to ANCA associated vasculitis.Mahajan V, Jat K, Kochhar S, D'Cruz S.Indian Pediatr. 2013 Feb;50(2):239-42
- Gupta M, Sachdev A, Lehl SS, Singh K. Clay impaction causing acute dysphagia. BMJ Case Rep. 2013 Mar 15;2013. doi:pii: bcr2013008929. 10.1136/bcr-2013-008929.
- 11. Gupta M, Sharma A, Singh R, Lehl SS. Citrobacter koseri: an unusual cause of pyogenic liver abscess. BMJ Case Rep. 2013 Mar 15;2013. doi:pii: bcr2013 008974. 10.1136/bcr-2013-008974.
- 12. Gupta M, Singh R, Singh K, Lehl SS. Reversible dementia and gait disturbance as a result of polypharmacy. BMJ Case Rep. 2013 Mar 25;2013. doi:pii: bcr2013008932. 10.1136/bcr-2013-008932.
- Gupta M, Singh K, Lehl SS, Bhalla M. Recurrent erythema nodosum: a red flag sign of hidden systemic vasculitis. BMJ Case Rep. 2013 Apr 9;2013. doi:pii: bcr2013009507. 10.1136/bcr-2013-009507.

- 14. Gupta M, Lehl SS, Singh K, Singh R. Acute splenic infarction in a hiker with previously unrecognised sickle cell trait.BMJ Case Reports 29 April 2013; doi:10.1136/bcr-2013-008931
- Gupta M, Cruz SD, Nada R, Aggarwal P. Aceclofenac-induced acute tubulointerstitial nephritis in a patient with diabetes. BMJ Case Reports 15 May 2013; doi:10.1136/bcr-2013-009217
- 16. Undela K, Bansal D, D'Cruz S, Sachdev A, Tiwari P. Prevalence and determinants of use of potentially inappropriate medications in elderly inpatients: A prospective study in a tertiary healthcare setting. Geriatr Gerontol Int. 2013 May 6. doi: 10.1111/ggi.12081. [Epub ahead of print]
- 17. Singh P, Gupta M, Lehl SS, Singh K. Cogan's syndrome: achievement of complete resolution of auditory deficit with steroids. BMJ Case Rep. 2013 May 22;2013. doi:pii: bcr2013008951. 10.1136/bcr-2013-008951.
- 18. Cruz SD, Gupta M, Kaur R, Gupta S. Fracture of temporary femoral haemodialysis catheter: our experience. BMJ Case Rep. 2013 May 31;2013. doi:pii: bcr2013009625. 10.1136/bcr-2013-009625.
- 19. Mahajan V, Tewari R, Minz RW, Jindal G, D'Cruz S. Dense Deposit Disease: A Rare Cause of Steroid Resistant Nephrotic Syndrome. Indian J Pediatr. 2013 Jun 20. [Epub ahead of print] No abstract available.
- 20. Nadkarni N, D'Cruz S, Kaur R, Sachdev

A. Successful outcome with conservative management of emphysematous pancreatitis. Indian J Gastroenterol. 2013 Jul;32(4):242-5. doi: 10.1007/s12664-013-0322-5. Epub 2013 Apr 12.

Publications in the Journal of Medical College, Chandigarh

D'Cruz Sanjay, JMCC: Evidence based medicine: A primer

Chapter(s) in Book(s)

- Sanjay D'Cruz, Vinay Sakhuja: Primary glomerular diseases: In Y P Munjal editor. API textbook of medicine. Publisher Association of Physicians of India
- Atul Sachdev, Nikhil Nadkarni. Non rota virus diarrhea. In Chetana Vaishnavi (Editor) Infections of the Gastrointestinal System. Publisher Jaypee brothers
- Atul Sachdev, Nikhil Nadkarni. Pancreatic infections. In Chetana Vaishnavi (Editor)Infections of the Gastrointestinal System. Publisher Jaypee brothers.

DEPARTMENT OF GENERAL SURGERY & ALLIED SUB-SPECIALITIES

Faculty

- · · · · · · · · · · · · · · · · · · ·		
AKAttri	Professor & Head	MS, MAMS
Rajeev Sharma	Professor	MS
Robin Kaushik	Associate Professor	MS,DNB,MNAMS
Usha Dalal	Associate Professor	MS
Vidur Bhalla	Associate Professor	MS,MCh(Urology)
Arvind Malhotra	Associate Professor	MS, MCh(Neurosurgery)
Mahesh Chandra	Assistant Professor	MS,DNB(Urology)
Rajesh Kr. Bansiwal	Assistant Professor	MS
Sanjay Gupta	Assistant Professor	MS
Mayank Jayant	Assistant Professor	MS
Viney Kumar	Assistant Professor	MS
Vipin Gupta	Assistant Professor	MCh(Neurosurgery)

Dr. Ashwani Dalal has resigned from Dept. of Surgery w.e.f 20.5.2013(A.N)

An award of honour was conferred on **Prof. A K Attri** for his contribution in the field of Surgery on 1st July 2013 (Doctor's Day) by Desh Bhagat University, Punjab.

Presiding over a national level CME program or National Conference

Prof. A K Attri

- 1. Invited by State Executive of Aarogya Bharti HP during their state level function on 4th February, 2012 at Una to deliver a talk on Management of diabetic foot. The theme of function was Life style disorders and was presided over by Hon'ble Chief Minister of HP Sh. Prem Kumar Dhumal.
- 2. Invited faculty and chaired a session during 'Sixth AIIMS Surgical Week' organized by Department of Surgical Disciplines AIIMS, New Delhi from 16th 18th March, 2012.
- 3. Invited as resource person to deliver lecture on General management of Trauma victim and Liver & spleen trauma during ROTP programme for teachers organized by Department of Shalya Tantra A & U Tibbia College, New Delhi on 19th March, 2012.
- 4. Invited by Institute of Correctional Administration to deliver a lecture to police officials of HP on "Custodial Torture-A medical perspective on 7th June, 2012.

- 5. Invited by Department of Surgery, PGIMER, Chandigarh during its Golden Jubilee CME on the topic "Advances in surgery in last 50 years" held on 25th August 2012. Delivered a talk on 'General Surgery-an endangered speciality'
- 6. Invited by Department of Shalya Tantra, Faculty of Ayurveda, BHU, Varanasi to deliver a lecture on "Various modalities for treatment of Fistula-in-ano" during training of trainers programme organised from 3rd-8th September 2012. Also demonstrated live surgery.
- 7. Invited to Chair a session during Surgery Update organized by Department of Surgery, MAMC, New Delhi on 28th September 2012.
- 8. Invited to chair a session during a CME on Hepatobiliary Pancreatic disorders organized by Department of Surgery BFUHS Medical College, Faridkot on 5th October 2012.
- 9. Chaired a session during SELSICON 2012 held at PGIMER Chandigarh on 2-4 Nov. 2012.
- 10. Attended 7th AIIMS Surgical Week from 15th-17th March 2013 and chaired a session on 'Management of Lymoedema' by Ozowirki from Poland.

Prof. Rajeev Sharma

1. Chaired a session during SELSICON – 2012 held at PGIMER Chandigarh on 2-4 Nov. 2012.

Dr. Vidur Bhalla

- Chaired a session on Radical nephrectomy videos and a academic session during International Instructional Course and videoworkshop on Contemporary management on renal Neoplasia, held at PGIMER, Chandigarh in association with Memorial Sloan Kattering Cancer Centre, New York on September 7th-8th 2012.
- 2. Chaired/ Moderator of live-operative workshop from 2nd-4th November, during SELSICON –2012 held at PGIMER Chandigarh
- 3. Chaired a session during USICON 2013 at Pune held between 17th-20th January 2013.
- 4. Operating faculty at LAPCON Haryana 2013 on 23rd& 24th March at General Hospital, Sector-6, Panchkula.

Invited lectures by faculty members during National/International Conferences and National/International CMEs

Prof. AK Attri

 Invited to deliver a lecture on "Management of diabetic foot-what is new" during SAARC Surgical Care Society & NZASI Annual conference held at Jalandhar from 7th-9th September 2012.

- 2. Invited by Institute of Correctional Administration Chandigarh to deliver on "Torture a medical perspective" for police of HP on 19th September 2012.
- 3. Delivered a lecture on "Surgical problems in diabetes mellitus" during conference Cardiomersion 2012 & Lifestyle & Surgery organised by Chandigarh Surgical Society in collaboration with Fortis Hospital Mohali, Punjab Cardiology Association and Deptt. Of Surgery GMCH—32 on 20-21 Oct 2012 at Chandigarh.
- 4. Invited as faculty to deliver a lecture on "Future of General Surgery" during UP Uttrakhand ASICON held at HIHT University Jollygrant Dehradoon from 23 25 Nov 2012.
- 5. Delivered a lecture on 'Torture prevention' at ICA, Sector-26 on 28th February 2013.

Prof. Rajeev Sharma

- 1. Techniques of creation of pneumoperitoneum in 26th AMASI Fellowship & Skill course at Delhi on January 18th 20th, 2013
- 2. Life Style and gall stone disease at Cardiomersion 2012: Lifestyle and Surgery organized by Chandigarh Surgical Society and Department of Cardiovascular and Thoracic Sciences, Fortis Mohali on October 20th-21st, 2012.
- 3. Creation of pneumoperitoneum and its complications during AMASICON 2012 at Coimbatore on July 19th, 2012.

Dr. Robin Kaushik

- 1. Attended and qualified the 5th Certificate Course in Hepato-Pancreato-Biliary Surgery of the Indian Chapter of the International Hepato-Pancreato-Biliary Association held at PGIMER, Chandigarh (6th Aug 11th Aug 2012)
- 2. Chaired the session on Live Workshop in GI and General Surgery on 2.11.2012 during 5th Annual Conference of Society of Endoscopic and Laparoscopic Surgeons of India at PGIMER, Chandigarh (2nd Nov-4th Nov 2012)

Papers presented in national/international conferences

Dr. Usha Dalal

1. Paper presented at Annual Conference of ASI at Kolkatta in December 2013 on Lung Hydatidosis.

Members of International scientific societies

Prof. A K Attri

Member, National Academy Medical Sciences (India)

Member of many professional Associations

Prof. Rajeev Sharma

Member of many professional Associations

Dr. Usha Dalal

Member of many professional Associations

Dr. Vidur Bhalla

Member of AUA – American Urology Association Member of EAU – European Association of Urology Member of many professional Associations

Dr. Rajesh Bansiwal

Fellow of International Medical Science Academy Fellowship in Minimal Access Surgery Member of many professional Associations

Membership of an Executive Committee/Treasurership/Assistant or joint secretary ship of National Societies .

Prof. A K Attri

Chairman IMA AMS Chandigarh State IMA Secretary North Zone Association of Surgeons of India Secretary Chandigarh Surgical Society Secretary IMSA Chandigarh Chapter

Prof. Rajeev Sharma

Treasurer: Chandigarh Surgical Society

Board member: SELSI

Co-opted member: Association of Minimal Access Surgeons of India AMASI

Dr. Sanjay Gupta

On Board of Directors of World Society of Emergency Surgery (WSES)

CMEs/Conferences organized

Prof. A K Attri

Organizing Secretary

Cardiomersion 2012:Lifestyle and Surgery organized by Chandigarh Surgical Society and Department of Cardiovascular and Thoracic Sciences, Fortis Mohali on October 20th-21st October, 2012.

Prof. Rajeev Sharma

Treasurer:

Cardiomersion 2012:Lifestyle and Surgery organized by Chandigarh Surgical Society and Department of Cardiovascular and Thoracic Sciences, Fortis Mohali on October 20th-21st October, 2012.

Taking part in Seminar/Conference as delegate

Dr. Vidur Bhalla

PERCON 2012 - 5th International workshop on Basic and advanced technologies of PCNL held on 14th-15th April 2012 at New Delhi

JAWS 2012 – Joint Andrology workshop from 14th-16th September at RML Hospital, New Delhi

Delivering an invited talk/talk in Local, State level, Regional Conference or Meeting/CME Prof. A K Attri

Invited by Day & Night News Channel for live interactive programme telecasted on 12th Nov. regarding prevention of firecracker/burn injuries during Diwali.

Prof. Rajeev Sharma

Invited by Day & Night News Channel for live interactive programme telecasted during December 2012 regarding Haemorrhoids.

Dr. Vidur Bhalla

Lecture on Anatomy of PCS in 'Flexi RIRS' on 21st-22nd April 2012 during RIRS workshop held at Panipat

Invited by Day & Night News Channel for live interactive programme telecasted thrice during 2012 regarding Renal Stone disease, Prostrate diseases, Kidney diseases.

Services

OPD ATTENDANCE

Year	New OPD Registration	Revisit
2012	9576	39520
2013 (till July)	6385	20357 (till June 2013)

Surgeries Performed (2012)

Major Minor

Surgery	Routine	Emergency	OPD	Total	Routine	Emergency	OPD	Total
Performed								
General Surgery	2078	990	0	3068	130	42	1764	1936
Urology	312	0	0	312	86	0	68	154
Neurosurgery	193	85	0	278	1	21	132	154
Paeds Surgery	Ü	Ī	-	1	=	-	317	317
Diabetic Foot Clinic	-	-	-	i	-	-	473	473

2013 (till July)

Major Minor

Surgery	Routine	Emergency	OPD	Total	Routine	Emergency	OPD	Total
Performed								
General Surgery	1411	740	0	2151	91	25	891	1007
Urology	171	0	0	171	69	0	0	69
Neurosurgery	120	11	0	131	22	1	186	209
Paeds Surgery	-	-	-	-	=	-	-	-
Diabetic Foot Clinic	-	-	-	-	-	-	395	395

Surgical procedures included operations like transhiatal esophagectomy for cancer of the esophagus, pancreaticoduodenectomy for pancreatic cancer, hepaticojejunostomy for benign biliary strictures, minimally invasive surgery for renal stones, besides other routine procedures such as laparoscopic and open cholecystectomy, choledochotomy, choledochoduodenostomy, herniorrhaphy, appendectomy, pyelolithotomy, nephrectomy, transurethral and open prostatectomy, etc. Apart from these, operations for trauma and other emergencies such as peritonitis and intestinal obstructions are being performed routinely.

Apart from this Dept of Surgery is also providing patient care in Minimal Invasive Surgery, Neuro Surgery, Urology, Diabetic Foot Clinic, Ksharsutra clinic, Endocrine Surgery, and Vascular Surgery apart from General Surgery.

Training

The department provides clinical teaching and apprenticeship to the 50 students of the MBBS course, each in their second, third, fourth and final year by regular theory and clinical classes in surgery. The clinical teaching includes case presentations, discussions, and bedside clinical demonstrations besides didactic lectures and seminars. The didactic lectures for the second, third year students are held in the college (Sarai building) in Sector 32. The new lecture theatres within the hospital complex are used for teaching the fourth year and final year MBBS students. A regular Departmental teaching programme is conducted for the Faculty, residents and MBBS students, and includes Seminars, Journal clubs, Clinical meetings, Surgico-Pathology meeting, Surgico-Radiology meetings and Surgical Audit as per the teaching programme. Invited lectures by visiting faculty are also organized.

The postgraduate course (MS General Surgery) was started by Department with intake of three postgraduate students. The department has two DNB students.

Departmental Highlights

Department of Surgery, Government Medical College & Hospital, Chandigarh is constituted by a team of dedicated, hardworking and academically oriented faculty under the able leadership of Prof.A.K Attri. The department is rendering services to the patients coming for GI surgical, thoracic, neuro, urological and vascular problems. It runs the DNB and M.S postgraduate courses. The department is keenly involved in various public health related programmes of the institute. Various academic programme in term of conferences/CMEs are conducted on regular basis and is accepted as a centre of dissipation of knowledge. The department is keen to start new services which benefits the patients of the city and referred from various places. It also works in close association with various department of the institute to enhance the clinical and academic duties. The department also provides ample surgical exposure to the Senior Residents who form a team which is available round the clock to provide excellent care to the patients in emergency, wards and outdoor. The department always strives to grow and enhance the services that can be provided to the patients and imparts excellent knowledge to the graduates and post-graduate students.

Indexed Publications

- 1. A.K Attri. Risk stratification of Breast cancer (Editorial) JIMSA;24(4): 161(2012)
- Mayank Jayant, Rajpal Punia, Robin Kaushik, Rajeev Sharma, Atul Sachdev, Nikhil Nadkarni, Ashok K Attri. Neuroendocrine tumors of ampulla of vater: presentation, pathology and prognosis. Journal of pancreas 2012;13(3):263-267
- Mayank Jayant, Viney Kumar, Robin Kaushik, Rajeev Sharma, Ashok K Attri. Subfascial endoscopic perforator surgery (SEPS) for chronic venous insufficiency? Our initial experience. J Phlebology & Lymphology2012;5:2-5.
- Rikki Singal, Ashwani K Dalal, Usha Dalal, Ashok K Attri, Samita Gupta, Rakesh Sadhu, Pradeep Sahu. Complete bronchial transaction due to severe blunt trauma chest-treatment & outcome a distinct entity. Indian J Critcare Med 2012;16:31-3.
- 5. Ashok K Attri, Sanjay Gupta. Surgical Safety checklist. Journal of Medical College, Chandigarh. 2012:(2);1,11-14.
- Lal P, Vindal A, Sharma R, Jagdish C, Ramteke VK. Safety of open technique for first-trocar placement in laparoscopic surgery: a series of 6000 cases. Surg Endosc (2012) 26:182-188.
- Sanjay Gupta, A.K. Attri, Rajeev Sharma et al. Complicated intra abdominal infections in a worldwide context: an observational prospective study (CIAOW Study). World Journal of Emergency

- Surgery 2013, 8; 1: 1-7.
- Rikki Singal, AK Dalal, Usha Dalal, AK Attri. Primary tuberculosis of the breast presented as multiple discharge sinuses. (Accepted for publication in Indian Journal of Surgery).
- Bansiwal RK, Sharma R, Viney Kumar, AKAttri. Intussusception in adults: Case reports and review of literature (Accepted for publication in Indian Journal of Coloproctology).
- Rikki Singhal, AK Dalal, U Dalal, A.K Attri. Giant cell tumor of meditanum. International Journal of preventive medicine (Accepted).
- 11. Massimo Sartelli, Sanjay Gupta et al. 2013 WSES guidelines for management of intra-abdominal infections. World Journal of Emergency Surgery 2013, 8:3.
- 12. Mayank Jayant, Robin Kaushik. Volvulus of transverse colon: A case report. Tropical Gastroenterology 2012;3(33): 228-29.
- Mayank Jayant, Robin Kaushik. Spontaneous cholecystocutaneous fistula. Indian Journal of Gastroenterology (Accepted).
- 14. Jayant M,Kumar V,Kaushik R et al. Subfascial Endoscopic perforator surgery (SEPS) for Chronic Venous Insufficiency? Our initial experience. J Phlebol Lymphol 2012;5:2-5.
- Aggarwal, Dalal U, Mahapatra R, Singhal R. Intrathoracic Desmoid Tumor. Lund India: Vol 29(2);2012:160-162.
- Dalal U, Kapoor D, Kaushal S, Anand L. A technique to fascilitate lung collapse in

- the presence of an occlusive endobronchial tumour. Sourth African Journal.
- 17. Dalal AK, Singhal R, Dalal U, Attri AK, AY Kumar, S Kumar, P Mehandiratta, R Garg. Enucleation of the solitary epithelial cyst of pancreatic head in an adult: a case report and review of the literature. Nigerian J of clinical Practice, 2012;Vol.15(2):228-230. Analgesia; 2012,Vol.18(6):2.
- 18. Dalal U, Aggarwal D, Mahapatra P, Singhal N. Intra-thoracic Desmoid tumour. Lung India.2012;Vol 29(2);160-62.
- 19. Primary Tuberculosis of Breast presenting as multiple discharging sinuses. Indian Journal of Surgery. 2013;75(10):66-67.

Non-Indexed Publications

1. Kaushik R. The "Authorship Index" – a simple way to measure an author's contribution to Literature. Int J Res Med Sci 2013;1:1-3.

 Gupta S, Jayant M, Kaushik R. Free Tubercular Perforation of the Ileum. World J Emerg Med 2013 – Accepted for publication

Publications in the Journal of Medical College, Chandigarh

- 1. Bladder and Urethral injuries in Pelvic fracture, Review article, Dr. Vidur Bhalla
- Post caesarean vesico-vaginal and uretero-vaginal fistula Case report, Dr. Vidur Bhalla
- Spontaneous rupture of non-patholgoical spleen: A case report and review of literature. Rajesh Bansiwal, Viney Kumar, Rajeev Sharma
- 4. Rajesh Bansiwal, AK Attri, Rajeev Sharma. Stapled haemorrhoidopexy. An alternative to traditional open haemorrhoidectomy. Journal of Medical College of Chandigarh 2012:2); 2:47-49
- Ileosigmoid knot-an unusal volvulus: A case report. Rajesh Bansiwal, Viney Kumar, Rajeev Sharma, Ashok K. Attri

GENETIC CENTRE

Faculty

B.S Chavan Head (Incharge), Genetic Centre.

Gurjit Kaur Consultant In-charge, Genetic Centre.

Prof. BS Chavan is also HOD Psychiatry and Dr. Gurjit Kaur is also Associate Professor (Physiology). The individual academic achievements are given in the respective departments.

Prof. B.S.Chavan

Presidential Award on 3rd December 2012: "Best Individual working for the Persons with Disability". This is the highest award in the field of disability and is given to a person for outstanding contribution in the disability field.

Invited lectures:

Identification and Molecular characterization of polymorphisms in north indian schizophrenic population. ANCIPS-2013

Research completed during the year

S.No	Name of the sponsoring agency	Title of the project	Short note
1.	CSIR (2009-2012)	The Appraisement of Antioxidant and Oxidant Status in Iatrogenic Menopause women (Co-investigator)	The study suggested that oopherectomy can increase oxidative stress and potential free radical damage due to lack of ovarian estrogen production in women but it can also be concluded that the oxidative stress is critically combated by the intricate defensive mechanism of natural antioxidant system of the body.

Research in progress

S.No	Name of the sponsoring agency	g Title of the project
1.	ICMR	Preeclampsia screening in early pregnancy through biochemical and ultrasonographic markers: diagnostic and pathophysiological implications. (Co-investigator)
2.	ICMR	Identification and Molecular Characterization of polymorphism in Type 2 Dopamine Receptor (DRD2), Serotonin Receptor (5HT2A) and CYP2D6 Gene Polymorphisms and its Association with the Response of Atypical Antipsychotic Drug (Risperidone) in North Indian Schizophrenic Population: A Multicentric Study (Co-investigator)

Dr. Gurjit Kaur:

1) Invited lectures:

Short Title of Paper	Short name of Conference	Level (National/ International/ Regional)
Identification and Molecular characterization of polymorphisms in north indian schizophrenic population	ANCIPS-2013	National
Prenatal Screening and Newborn screening for early intervention and management of Genetic Disorders	Recent Advances in Human Biology, Punjabi University, Patiala	National
Session Chair (Rare disorders)	MEDIGENCON, MAMC, New Delhi	Regional
Maternal Serum Screening for Chromosomal Aneuploidies and Neural Tube Defects: Feasible Model for Government Hospitals in Indian Scenario	Next Revolution in Genetics & Genomics Application in Health and Disease, New Delhi	International

Prenatal Screening For chromosomal Disorders	Molecular Diagnosis of Genetic Diseases, PGIMER, Chandigarh	Regional
Recent advances in prenatal screening : Prevention based approach for chromosomal disorders	Workshop on Molecular Biology and Cytogenetic techniques	Regional
Prenatal Screening and Newborn screening	CME on Recent Advances in prenatal and neonatal screening	Regional

Poster Presentation on 'Experience On Maternal Serum Screening For Chromosomal Aneuploidies And Other Complications In A Government Hospital In India' at Human Genome Meeting (HGM) held in Sydney, Australia from 11th -14th March, 2012. Partly Funded by DBT and partly funded by U.T.

CMEs organized

Awareness Program cum Workshopon Recent Advances in Prenatal and Neonatal Screening on 11th May, 2012 at Genetic Centre, Government Medical College and Hospital, Sector 32, Chandigarh.

Service

Tests Available at Genetic Centre under Prenatal Screening:

- 1. Dual Test
- 2. Triple Test

Last two year comparison

	No. of patients	No. of patients
	Enrolled in 2011	Enrolled in 2012
Dual test	1161	1769
Triple test	1738	3202
Total	2899	4940

Tests Available at Genetic Centre under Newborn Screening:

- 1. Congenital Adrenal Hyperplasia (CAH)
- 2. Congenital Hypothyroidism (CH)
- 3. G6PD Deficiency (G6PDD)

Latest two year comparison

	In 2011	In 2012
Congenital Adrenal Hyperplasia (CAH)	4237	4471
Congenital Hypothyroidism (CH)	4237	4471
G6PD Deficiency (G6PDD)	4237	4471

Blood Karyotyping: - Total number of patients enrolled and reported in 2012-2013 is 54

Training

Short Term Training of One Month in Genetic Centre is time to time provided to students. In 2012-2013 total number of students who received training in Genetic centre -09

Hands-on Training Workshop on Molecular Biology and Cytogenetic Techniques from 3rd – 15th December, 2012 under Scheme of Organization of Short Term Training Course for College Teachers and Mid-Career Scientist in Life Sciences & Biotechnology. The training workshop was jointly organized by Division of Biotechnology, Punjab State Council for Science & Technology (PSCST) and Genetic Centre, Govt. Medical College & Hospital (GMCH), Chandigarh. Seventeen participants participated in the workshop.

Dr. Gurjit Kaur Research completed during the year:-

S. No	Name of the sponsoring agency	Title of the project	Short note
1.	CSIR (2009-2012)	The Appraisement of Antioxidant and Oxidant Status in Iatrogenic Menopause women (Principal Investigator)	The study suggested that oopherectomy can increase oxidative stress and potential free radical damage due to lack of ovarian estrogen production in women but it can also be concluded that the oxidative stress is critically combated by the intricate defensive mechanism of natural antioxidant system of the body.
2.	ICMR (2009-2012)	Evaluation of transcutaneous bilirubinometry in preterm low birth weight neonate. (Co-investigator)	Principle investigator –Dr. Deepak Chawla, Dept. of Pediatrics

3.	DST, UT Chandigarh	Est
	(2011-2012)	Me

Estimating prevalence of Metabolic syndrome in college going students of Chandigarh (Co-investigator) Principle investigator – Dr.Anumeha , Dept. of physiology

Research in progress

S.No	Name of the sponsoring agency	Title of the project
1.	ICMR	Preeclampsia screening in early pregnancy through biochemical and ultrasonographic markers: diagnostic and pathophysiological implications. (Principal Investigator)
2.	ICMR	Identification and Molecular Characterization of polymorphism in Type 2 Dopamine Receptor (DRD2), Serotonin Receptor (5HT2A) and CYP2D6 Gene Polymorphisms and its Association with the Response of Atypical Antipsychotic Drug (Risperidone) in North Indian Schizophrenic Population: A Multicentric Study (Principal Investigator)
3.	ICMR	Estimation of oxidative stress in pregnant women on daily versus weekly iron supplementation (an ICMR Task Force Study) (Principal Investigator)
4.	ICMR	The assessment of advanced glycation end product (AGE) receptor for age and soluble receptor for RAGE (s RAGE) hs CRP in patients of Diabetes mellitus with hypertension: Diagnostic & pathophysiological implications (Co-investigator)
5.	ICMR	Endothelial dysfunction for prediction of pre- eclampisa and other hypertensive disorders of pregnancy in the department of Physiology, (Co-investigator)
6.	DBT	Bilirubin Neurotoxicity: Role of P- glycoprotein Gene Polymorphism and Free Bilirubin Level (Co-investigator)
7.	DST	Molecular characterization of spectrum of mutation in CYP21 gene from Congenital Adrenal Hyperplasia. (Co-investigator)

Departmental Highlights

Genetic Centre at GMCH was established under U.T administration for Prevention of Disability. The testing facility at Genetic Centre was opened to public after due registration of Genetic Centre under PNDT Act in 2006. At Genetic centre Prenatal screening and Newborn screening tests are done. Under prenatal screening Dual and Triple test are done which helps in screening pregnant women who are at a high risk of carrying fetus for chromosomal disorders and neural tube defects. Neonatal screening is also done at genetic centre to find the incidence and diagnosis of certain inborn error of metabolism as soon as possible after birth, so that effective management can be provided before manifestation of disease state. In the Genetic Centre cytogenetic analysis for diagnosis of chromosomal abnormalities is also done. Molecular diagnosis of various other diseases like DMD has also been established and opened to public. Various scientific projects funded by scientific bodies of India are ongoing at Genetic centre. Time to time CME's, workshop, awareness programme and short term training are also held in genetic centre for spreading complete and proper awareness among the professional as well as general public about the benefits of genetic tests.







Indexed publications

- Kaur G, Srivastav J, Kaur A, Huria A, Goel P, Kaur R, Kataria S, Chavan BS, Kochhar S, Aggarwal P, Kaur N, Panigrahi I, Chawla P. Maternal serum second trimester screening for chromosomal disorders and neural tube defects in a government hospital of North India. Prenat Diagn. 2012 Oct 11:1-5.
- 2. Singh R, Thapa BR, Kaur G, Prasad R. Biochemical and molecular characterization of GALT gene from Indian galactosemia patients: Identification of 10 novel mutations and their structural and functional implications. Clin Chim Acta. 2012 Sep 25;414C:191-196.
- Singh R, Thapa BR, Kaur G, Prasad R. Frequency Distribution of Q188R, N314D, Duarte 1, and Duarte 2 GALT Variant Alleles in an Indian Galactosemia

- Population. Biochem Genet. 2012 Jul 15
- Singh R, Ram J, Kaur G, Prasad R. Galactokinase Deficiency Induced Cataracts in Indian Infants: Identification of 4 novel Mutations in GALK Gene. Curr Eye Res. 2012 May 25
- Kaur G, Srivastav S, Sharma S, Huria A, Goel P, Chavan BS. Maternal Serum Median Levels of Alpha-Fetoprotein, Human Chorionic Gonadotropin and Unconjugated Estriol in Second Trimester from North-West Indian Pregnant Women. Indian J Med Res. Accepted in 2012.

Books

Manual on Molecular Biology & Cytogenetic Techniques, Authors:- Gurjit Kaur, Jatinder Kaur Arora and Dapinder Kaur Bakshi, ISBN: 978-81-88362-30-1

DEPARTMENT OF MICROBIOLOGY

Faculty

Jagdish ChanderProfessor & HeadMD, DNB, MAMSVarsha GuptaProfessorMD, DNB, MAMS

Neelam Kaistha Associate Professor MD

(Relieved on 31.03.2013)

Nidhi SinglaAssistant ProfessorMDPriya DattaAssistant ProfessorMDRitu GargAssistant ProfessorMD

Dr. Jagdish Chander

attended International CME-cum-Conference on "Hospital Acquired Superbugs: Return to Preantibiotics Era?" at MMIMSR, Mullana (Ambala) on February 4-5, 2012 and delivered a Guest Lecture entitled, "Emerging and Re-emerging Hospital Acquired Super Bugs (Fungal and Parasites)". He presented a paper entitled, "Isolation of mucormycetes from various clinical entities presenting in a tertiary care hospital of north India along with antifungal susceptibility testing" during 18th Congress of International Society for Human and Animal Mycology (ISHAM) held on June 11-15, 2012 at Berlin (Germany). He has attended national CME-cum-MICROCON(NW)-2012 on Diarrhoeal Diseases held on October 6, 2012 at Guru Nanak Dev Hospital, Amritsar. He organized the AIDS Training under the auspices of NACO, SACS implementing NACP IV in October-November, 2012 at GMCH, Chandigarh. He presented a paper entitled, "Fungal rhinosinusitis: Mycological profile of clinically suspected cases undergoing functional endoscopic sinus surgery in a tertiary care hospital in north India" during the 36th National Conference of IAMM, (MICROCON-2012), November 22-25, 2012 at New Delhi. He participated in the CME and chaired a scientific session in Alumni Meet at PGIMER, Chandigarh on 14.12.2012. He participated as resource person in the Training on Bacteriological Techniques for Water and Wastewater Analysis and Quality Assurance jointly organized by School of Public Health, PGIMER, Chandigarh and Department of Environment Studies, Panjab University, Chandigarh on February 18-22, 2013. He participated in the Pre-Conference CME on Surveillance of Healthcare Associated Infections on February 7, 2013 at Seth GS Medical College & KEM Hospital, Mumbai and XIIth National Conference on Prevention and Control of Healthcare Associate Infections (HISICON-2013) on February 8-9, 2013 at Tata Memorial Hospital, Mumbai; presented a paper entitled, "Incidence, speciation and antifungal susceptibility testing of Candidemia patients from ICU in a tertiary care centre" and chaired one of the scientific sessions. He participated in Laboratory Techniques for Diagnosis of STI/RTI on February 25-26, 2013 at the Apex/Regional STD Teaching, Training & Research Centre, VMMC & Safadarjang

Hospital, New Delhi, organised by DSACS. He is member of national Zygomycosis as well as Candidemia Networks 2011-2012 (upto September) under the aegis of SIHAM. He is regular inspector of the MCI for MBBS as well as MD (Microbiology) degrees recognition. He is examiner to the DNB, MD and PhD under various universities in the subject of Microbiology. He is reviewer of many National and International journals in the filed of clinical microbiology and medical mycology.

Dr. Varsha Gupta attended hands-on-training on best practices in blood collection for blood cultures on 14.01.2012 at PGIMER, Chandigarh. She delivered an invited talk on Extended Spectrum beta-lactamases (ESBL) in February 2012 at Allahabad. She attended the 2nd Annual Conference of Clinical Infectious Disease Society (CIDSCON) at Chennai and presented a poster on Metallo-beta lactamases (MBL) in non-fermenters in March, 2012. She took lectures on "Laboratory Diagnosis of AIDS" in full site sensitization programme under the aegis of NACO and SACS on 18.10.2012, 26.10.2012 and 01.11.2012. She was involved in teaching for Health Centre MPHCW on Anaphylaxis, AIDS, Infection Control and Biomedical Waste Management at Polyclinic, Sector 22, Chandigarh. She attended AIDS-conference (AIDSCON-2) organized by SACS, Chandigarh held in GMCH, Chandigarh on 28.02.2013 and 01.03.2013 and presented a poster and was awarded first prize for the same. She is Executive Member of the Indian Association of Mycoplasmologists. She is Secretary of the Gastrointestinal Infection Society of India for a period of three years (2013-2015). She is Honorary Editor of Infection and Resistance from 2008 to date. She is reviewer of many National and International journals. She is member of the Committee on Bioethics in Research at NIPER, Mohali.

Dr. Neelam Kaistha attended 2nd Annual Conference of Clinical Infectious Disease Society (CIDSCON) at Chennai and presented a poster entitled, "Mycological and bacteriological profile of clinically suspected cases of infective keratitis presenting in a tertiary care hospital in North India." She took lectures on post-exposure prophylaxis under auspices of full site sensitization programme under ICTC, NACO, SACS at GMCH, Chandigarh on 18.10.2012 and 01.11.2012. She had a poster presentation in the conference towards AIDS free Chandigarh (AIDSCON-2) organised by SACS, Chandigarh on 28.02.2013and 01.03.2013. She recently joined on 01.04.2013 as Additional Professor, Department of Microbiology, AIIMS, Rishikesh, Uttarakhand.

Dr. Nidhi Singla took lectures on post-exposure prophylaxis (PEP) and biomedical waste management under auspices of full site sensitization programme under ICTC, NACO, SACS at GMCH, Chandigarh on 18.10.2012 and 01.11.2012. She also delivered lecture on RPR testing, standard operative procedures and infection control management on 16.07.2012 under training of laboratory technicians and staff nurses held by SACS, Chandigarh. She took lecture on laboratory diagnosis of STI/RTI with special emphasis on RPR testing, disinfection control and anaphylaxis

management on 02.05.2012 and 08.05.2012 under STI/RTI training for doctors organized by HSACS, Panchkula, Haryana and on Diagnosing HIV in pre-operative settings. She attended and presented a poster entitled, "Mandatory testing of HIV in pre-operative settings: the debate goes on" in conference towards AIDS free Chandigarh (AIDSCON-2) organised by SACS, Chandigarh on 28.02.2013 and 01.03.2013. She attended Virus-2012, CME-cum-Workshop held on September 3-5, 2012 at PGIMER, Chandigarh as a delegate. She attended the National CME-cum-MICROCON(NW)-2012 entitled Diarrhoeal Diseases held on October 6, 2012 at Guru Nanak Dev Hospital, Amritsar as delegate. She attended International CME-cum-Conference on "Hospital acquired superbugs: return to pre-antibiotics era?" at MMIMSR, Mullana (Ambala) on February 4-5, 2012 and presented paper entitled, "Candiduria in ICU: Etiology, antifungal susceptibility and risk factors involved."

Dr. Priya Datta attended MICROCON-2012 i.e. 36th National Conference of Indian Association of Medical Microbiologists on November 22-25, 2013 at New Delhi and presented paper entitled, "Asymptomatic colonization with carbapenem resistant Enterobacteriaceae (CRE) in ICU patients and its associated risk factors: Study from North India". She took lectures on post-exposure prophylaxis under auspices of full site sensitization programme under ICTC, NACO, SACS at GMCH, Chandigarh on 18.10.2012 and 01.11.2012. She attended International CME-cum-Conference on "Hospital acquired superbugs: return to pre-antibiotics era?" at MMIMSR, Mullana (Ambala) on February 4-5, 2012 and presented paper entitled, "Clinical impact of additional Amp C expression in ESBL-producing Proteus mirabilis".

Dr. Ritu Garg took lectures on post-exposure prophylaxis, universal work precautions and biomedical waste management in full site sensitization programme under ICTC, NACO, SACS at GMCH, Chandigarh on 01.11.2012 and 02.02.2013. She attended International CME-cum-Conference entitled, "Hospital acquired superbugs: return to pre-antibiotic era?" at MMIMSR, Mullana (Ambala) on February 4-5, 2012 and presented a paper. She presented poster on RPR as a screening tool to detect undiagnosed STI among antenatal clinic patients in Conference towards AIDS free Chandigarh (AIDSCON-2) organised by SACS, Chandigarh on 28.02.2013 and 01.03.2013.

Services

The Department provided diagnostic services to patients attending the attached hospital. The section-wise break-up of clinical specimens, processed during the last two years (2011 and 2012), is given below:-

Bacteriology Investigations	2011	2012
Urine culture sensitivity	11019	3694

Pus+Body fluids culture sensitivity		
Blood culture sensitivity	7301	6975
CSF culture sensitivity	810	640
Sputum culture sensitivity	288	1098
Stool culture sensitivity	084	058
Semen culture sensitivity	064	063
Placental membrane culture sensitivity	199	329
Throat swab culture sensitivity	68	244
Biopsy/Tissue culture sensitivity	185	140
Tip/tracheal secretions culture sensitivity	1197	1050
Bile culture sensitivity	180	292
BAL culture sensitivity	198	329
Corneal scraping culture sensitivity	356	292
Bone marrow culture sensitivity	36	39
Anaerobic bacterial culture	19	240
Direct Examination		
Gram's Stain	9096	21811
India Ink preparation	749	782
Albert Stain	27	67
Hanging drop preparation	65	27
Ziehl -Neelsen staining	2990	3388
Hospital Surveillance		
Hospital sterility swab culture sensitivity	486	803
Bacteriological analysis of water	125	157
Pre and/or post fumigation samples	372	280
Disinfectant testing	Nil	09
Parasitology		
Stool R/E	391	322
PBF for MP	68	64

48	51
58	64
1220	989
1342	1018
64	23
1018	1469
332	313
651	713
115	207
213	279
110	235
61	70
09	15
51	85
15	65
10	08
21	37
09	11
07	04
14	23
788	710
682	682
9471	9680
4013	5461
7290	8630
338	594
371	613
	58 1329 1342 64 1018 332 651 115 213 110 61 09 51 15 10 21 09 07 14 788 682 9471 4013 7290 338

MP Serology	504	993
Dengue ELISA IgM and NSI Ag	986	3144
Toxoplasma ELISA IgM, IgG	300	312
Rubella ELISA IgM, IgG	242	320
Cytomegalovirus (CMV) ELISA IgM, IgG	198	312
Herpes simplex virus (HSV) ELISA IgM, IgG	190	328
RA	1197	1134
CRP	1257	1180
ASO	103	98
Widal Test	3437	2983
RPR	5252	5206
Clostridiumdifficile ELISA (Toxins A and B)	6	10

Training

MD: The Letter of Permission (LOP) was granted by the MCI on 16.03.2009 to start MD (Microbiology) course in our institute with an intake of three students per year for the first three batches and later on increased to four students per year. This degree awarded by the Panjab University, Chandigarh and has been recognised by the MCI in May 2012. Two batches of PG students, 2 each has passed out and have been awarded MD degree. Classes, discussion, seminars and journal clubs are routinely being organized for PG teaching in the Department. The PG students are involved in diagnostics, academics and research (thesis) work as a part of their curriculum. In addition, the students of MD (Transfusion Medicine) and MD (Community Medicine) are being posted for a short-term of fortnight in the Department during their course tenure.

MBBS: A total of 50 students each year are being trained in Microbiology since 1992 with affiliation to the Panjab University, Chandigarh. We are holding four theory classes, two practical classes and one tutorials per week for the 2nd Professional MBBS students. In addition, the seminars on different topics are being organised.

BSc: The Department is part of BSc (MLT) three-years' teaching programme since September 25, 2006. A total of 12 students are admitted each year. Three students are posted in Microbiology at one point of time from each batch for practical rotatory training for the period of three months. We are holding one theory class and one practical class per week for each batch and also one seminar on per month. The Department is also engaged in imparting microbiology training to the students of BSc. (Ophthalmic Techniques), BSc (X-ray Technician), BSc (OT Technician) courses. The Department is also providing training to the BPT students from Saket College of Physiotherapy, Chandimandir, Panchkula, Haryana.

Departmental Highlights

The Department of Microbiology was started in the year 1992 with intake of first batch of 50 MBBS students in 2nd Professional on 01.01.1993. The Department has adequate infrastructure for imparting teaching to medical undergraduates and postgraduates. At present the Department of Microbiology is headed by Prof. Jagdish Chander and has five faculty members. It also has six Demonstrators, two Postgraduates, one Infection Control Nurse, one Clerk, one Junior Scale Stenographer, two Senior and sixteen Junior Laboratory Technicians, seven Laboratory Attendants and two Peons. The theory and practical teaching of 2nd Professional MBBS students is being looked after by all the faculty members, demonstrators and assisted by technical staff. The Department is conducting teaching programmes in microbiology including theory lectures, seminars, practical demonstrations and tutorials. The students are being taught in various disciplines of Microbiology like Bacteriology, Virology, Parasitology, Mycology, Immunology and Medical Entomology. The postgraduate teaching started in June 2009 and since than four batches of students have taken admission in this stream and at present two postgraduates are there in the Department. We are doing routine microbiological investigations and infection control surveillance testing. We have three funded projects, two from the ICMR and one from the DST being undertaken in the Department. Our Department is engaged in National Programme on Surveillance of Antimicrobial Resistance i.e. INSAR and also national networks on Zygomycosis and Canidemia under the aegis of Society for Indian Human and Animal Mycologists (SIHAM). The Department has ICTC for AIDS testing under the NACO, SACS and WHO programmes. Recently the Department has started clinical rounds in the hospital to begin with the ICU. There is regular monthly meeting of the Hospital Infection Control Committee (HICC) being held on first Wednesday of every month under the chairmanship of the Medical Superintendent to discuss and tackle various aspects of Hospital Acquired Infections. The Department has active liaison with Integrated Disease Surveillance Project (IDSP) and National Vector Borne Disease Control Programme (NVBDCP), Chandigarh in consultation with the Department of Community Medicine of our institute for tackling menace of cholera, dengue, malaria, meningitis and similar other infectious diseases of public health importance.

Publications

- Badali H, Chander J, Bayat M, Seyedmousavi S, Sidhu S, Rani H, Attri A, Handa U, Meis JF, de Hoog GS. Multiple subcutaneous cysts due to Exophiala spinifera in an immunocompetent patient. Med Mycol. 2012; 50: 207-13.
- Bansal N, Kaistha N, Chander J. Epididymo-orchitis: An unusual
- manifestation of salmonellosis. J Microbiol Immunol Infect.2012; 45: 318-20.
- Khurana U, Raghubanshi G, Handa U, Chander J. "Fruiting Bodies" of Aspergillus flavus: A rare finding on histopathology. Int J Surg Pathol.2012; 20: 60-1.
- 4. Datta P, Chander J. Intravascular

- catheter related infections: definition, epidemiology, pathogenesis and preventions. Journal of Medical College Chandigarh 2012; 1: 48-54.
- Kaushik R, Chander J, Gupta S, Sharma R Punia RS. Fatal primary cutaneous zygomycosis caused by Saksenaea vasiformis: Case report and review of literature. Surg Infect (Larchmt). 2012; 13:125-9.
- Datta P, Arora S, Jain R, Chander J, van de Sande W. Secondary peritonitis caused by Streptomyces viridis. J Clin Microbiol.2012; 50: 1813-4.
- Salas V, Pastor FJ, Calvo E, Sutton DA, Chander J, Mayayo E, Alvarez E, Guarro J. Efficacy of posaconazole in a murine model of disseminated infection caused by Apophysomyces variabilis. J Antimicrob Chemother. 2012; 67: 1712-5.
- 8. Singla N, Gulati N, Kaistha N, Chander J. Candida colonization in urine samples of ICU patients: determination of etiology, antifungal susceptibility testing and evaluation of associated risk factors. Mycopathologia.2012; 174: 149-55.
- Gupta V, Sidhu S, Chander J. Metalloβ-lactamase producing nonfermentative gram-negative bacteria: an increasing clinical threat among hospitalized patients. Asian Pac J Trop Med. 2012; 5: 718-21.
- Bharti P, Anand V, Chander J, Singh IP, Singh TV, Tewari R. Heat stable antimicrobial activity of Burkholderia gladioli OR1 against clinical drug

- resistant isolates. Indian J Med Res. 2012; 135: 666-71.
- 11. Dhingra M, Kaistha N, Bansal N, Solanki LS, Chander J, Thami GP, van de Sande WW. Nocardia nova mycetoma over forehead in a lepromatous leprosy patient. Dermatol Online J. 2012; 18: 3.
- Gupta V, Kumarasamy K, Gulati N, Garg R, Krishnan P, Chander J. AmpC β-lactamases in nosocomial isolates of Klebsiella pneumoniae from India. Indian J Med Res. 2012; 136: 237-41.
- 13. Singla N, Rani H, Chander J. Syphilis seroreactivity: determining the importance during routine screening. Malays J Med Sci. 2012; 19: 102-3.
- 14. Datta P, Gupta V, Garg S, Chander J. Phenotypic method for differentiation of carbapenemases in Enterobacteriaceae: Study from north India. Indian J Pathol Microbiol.2012; 55: 357-60.
- 15. Gupta V, Garg S, Jain R, Garg S, Chander J. Linezolid resistant Staphylococcushaemolyticus: First case report from India. Asian Pac J Trop Med. 2012; 5: 837-8.
- Gupta V, Bansal N, Chander J. Comparative in vitro evaluation of activity of tigecycline against susceptible and multidrug resistant organisms. Indian J Med Microbiol. 2012; 30: 483-5.
- 17. Gupta V, Singla N, Gombar S, Palta S, Sahoo T, Chander J. Admission surveillance cultures among patients admitted to intensive care unit. N Am J

- Med Sci. 2012; 4: 648-50.
- 18. Singla N, Chander J. Management of Candiduria: Grey zones still exist. ICU Management. 2012: 4: 29-30.
- 19. Indian Network for Surveillance of Antimicrobial Resistance Group. Antibiogram of S. enterica serovar Typhi and S. enterica serovar Paratyphi A: a multi-centre study from India. WHO South-East Asia Journal of Public Health. 2012; 1:182-8.
- 20. Gupta V, Bansal N. Intestinal tuberculosis-a diagnostic dilemma. J Gastro Infs. 2012; 1:1-2.
- 21. Gupta V, Behl P. Non-Typhoidal Salmonellosis. J Gastro Infs. 2012; 1: 1-2.
- 22. Singla N, Kaur P, Chander J. Evaluation of NS1Ag and IgM antibodies against dengue, importance for epidemiological surveillance. Asian Pac J Trop Med. 2013; 6: 251-2.
- 23. Singla N, Bansal N, Gupta V, Chander J. Outbreak of Salmonella Typhi enteric fever in sub-urban area of North India: A public health perspective. Asian Pac J Trop Med. 2013; 6: 167-8.
- 24. Gupta V, Bansal N, Singla N, Chander J. Occurrence and phenotypic detection of class A carbapenemases among Escherichia coli and Klebsiella pneumoniae blood isolates at a tertiary care center. J Microbiol Immunol Infect. 2013; 46: 104-8.
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- Datta P, Chander J. Characterization of methicillin-resistant Staphylococcus aureus isolated from skin and soft tissue infections in relation to staphylococcal cassette chromosome type. Int J Infect Dis. 2013; DOI S1201-9712(13)00182-3.
- 27. Chander J, Gupta V, Kaur M, Singla N. Clinico-epidemiological profile of human immunodeficiency virus infection over a period of 3 years in a north Indian tertiary care hospital. Indian J Med Microbiol.2013; 31: 316.
- Datta P, Bansal N, Chander J. Handheld hazards by health-care workers.
 Indian J Med Microbiol. 2013; 31: 320-1.
- 29. Indian Network for Surveillance of Antimicrobial Resistance (INSAR) group, India. Methicillin resistant Staphylococcusaureus (MRSA) in India: prevalence & susceptibility pattern. Indian J Med Res. 2013; 137: 363-9.
- 30. Garg N, Tewari R, Gupta V, Kapil A, Kumar S, Rishi P. Current antibiogram and clonal relatedness among drugresistant Salmonella enterica Serovar Typhi in Northern India. Drug Resist. 2013; 19: 204-11.

Textbook Published

Third Edition (2009) of Jagdish Chander's Textbook of Medical Mycology is published by Mehta Publishers, New Delhi, which has 568 A4-sized pages with illustrations and is popular among medical graduates and postgraduates.

Chapters in Books

- Gupta V, Garg R. Epidemic-prone Vibriocholera in Infections of the Gastrointestinal System. Dr. Chetna Vaishnavi, 2013.
- Gupta V, Garg R. Typhoid fever and water in water and health by Springer, India. 2013.

Research Projects

1. Evaluation of various risk factors associated with multidrug resistant organism isolated from diabetic foot ulcer patients (DST, Chandigarh). Principal

- Investigator Dr. Jagdish Chander.
- Antimicrobial susceptibility pattern of bacterial isolates from cases of Ventilator Associated Pneumonia (VAP) in ICU from 01.03.2010 to 28.02.2012 - Principal Investigator - Dr. Varsha Gupta.
- 3. Role of probiotics in recurrent UTI Principal Investigator Dr. Varsha Gupta. This project started on 01.03.2012 but suspended for the time being as the matter is lying with DCGI, New Delhi and once clearance from there is accorded, it will be pursued with ICMR for its re-start.

DEPARTMENT OF OBSTETRICS & GYNECOLOGY

Faculty

Anju	Huria	Professor & Head	MBBS, MD
Poon	am Goel	Professor	MBBS, MD, MAMS
Alka	Sehgal	Associate Professor	MBBS, MD, DNB, MNAMS
Navn	neet Takkar	Associate Professor	MBBS, MS
Reeti	i Mehra	Associate Professor	MBBS, MD
Rimp	oy Tandon	Assistant Professor	MBBS, MD
Bhar	ti Goel	Assistant Professor	MBBS, MD
Dilpr	eet Kaur Pandher	Assistant Professor	MBBS, MD
Sunit	ta Arora	Assistant Professor	MBBS, MD
Anju	Singh	Assistant Professor	MBBS, MD
(Date	of Joining: 26.11.12)		
Sujat	a Siwatch Antenatal	Lecturer-cum- Officer	MBBS, MD
(Date	of Joining: 01.02.13)		
Sonil	l Prabhakar	Senior Research Associate	MBBS, MD
Shikl	ha Chawla	Senior Research Associate	MBBS, MD

Dr. Anju Huria

- 1. Member of Medical team by Rotary International for providing advanced services to Republic of Rwanda (at Kigali Rwanda, Africa).
- 2. Collaborator for WHO SEAR for Surveillance on Still births in India.
- 3. Invited for a guest lecture in Workshop on "Maternal Mortality" of 11th World Congress & 19th Indian Conference on 'Reproductive & Child Health' at India Habitat, New Delhi on 14.09.2013.

Membership of International Societies

- 1. Vice President, Federation of Northern Societies of Obstetrics & Gynaecology
- 2. Fellow of Indian Medical Sciences Academy

Dr. Poonam Goel

1. Delivered a lecture on "New Surgical staging & Imaging modalities in Gynae malignancies"

- in CME on Gynaecology Oncology Newer perspective on 12th May, 2012 at Faridkot Medical College.
- Chaired a session on Endometriosis at 5th National Conference of Society of Endoscopic and Laparoscopic Surgeons of India and International Surgical Workshop on 2nd Nov. 2012 at PGIMER, Chandigarh.
- 3. Delivered a lecture on "Foetal cardiotocography What is important for Obstetric analgesia" at 13th NZ-IBACON 2012. Labour analygesia workshop 12th October, 2012 at GMCH-32, Chandigarh.
- 4. Delivered a lecture on "Newer Techniques in caesarian delivery" in CME of Karnal Obstetricians & Gynaecologists Society on 28th February, 2013 at Karnal.
- 5. Delivered a lecture on Role of Vitamin D during pregnancy in CME by Chandigarh Obs & Gynae Society (COG) on 14.07.2012 at Hotel Aroma, Chandigarh.
- 6. Moderated a Panel discussion of GDM in CME organized by FOGSI North Zone on Diabetes and Thrombophilias in Pregnancy held on September 1, 2012 in Chandigarh.
- 7. Delivered a lecture on "Neural Tube Defect" in Workshop on Molecular Biology and Cytogenetic Techniques at GMCH, Chandigarh in December 2012.
- 8. Delivered a lecture on "GDM with special reference to women above 40 years" in CME on Diabetes by Indian Menopausal Society on 31st March, 2013 at Chandigarh.

Member

- 1. Executive Committee Member of Federation of Northern Societies of Obstetrics & Gynaecology.
- 2. Fellow of Indian Medical Sciences Academy.

Dr. Navneet Takkar

- 1. Executive Member, North Zone FOGSI, PGIMER, Chandigarh.
- 2. Chapter Secretary, Indian Menopausal Society, Chandigarh.

Papers presented

- 1. Presented paper at AICOG 2013 at Mumbai.
- 2. Talk on Cancer Screening in Menopause, North Zone IMS, Patiala in April, 2012.
- 3. Panelist Perimenopause, IMSCON in February 2013 and Chairperson on Symposium on Menopausal Problem, IMSCON 2013.
- 4. Moderator Panel on Premature Menopause, CME by IMS, Chandigarh in February, 2013.
- 5. Moderator Panel on Insulin Therapy, CME on Managing Diabetes Confidently in March, 2013.

- 6. Chairperson for Labour Analgesia Workshop, 13th NZ ISACON in September 2012.
- 7. Faculty in CME simplifying Menopause Management, CME Simplifying Menopause.
- 8. Live Workshop & CME on Gynae Oncology in November, 2012.
- 9. Live Workshop, Pre Congress Workshop on Operative Laparoscopy AICOG 2013, Mumbai.
- 10. Workshop on Art of Medical Writing, Art of Medical Writing by IMS at Hyderabad in August, 2012.

Dr. Reeti Mehra

Training Abroad

Visited Germany for fellowship in advanced laparoscopy and hysteroscopy at own expenses and has certificate from European Society of Gynaecological Endoscopy for the same.

Delivered Lectures

- 1. Lecture on Surgical management of Endometriosis in International Workshop and SELSICON Workshop at PGIMER, Chandigarh on 2.11.2012.
- 2. Panelist at Gynae Oncology Conference at Faridkot on 12th May, 2012.
- 3. Medical and Surgical Management of Endometriosis at IMA, Ambala in November, 2012.
- 4. Lectures on Instrumental vaginal delivery at Karnal Obst & Gynae Society on 28.02.2013.
- 5. Lecture on Post Partum Haemorrhage at Karnal Obst & Gynae Society on 28.02.2013.
- 6. Local talks on TV on Infertility and Menstrual disorders on 10.09.2012 and 25.12.2012.
- 7. Lecture on Antepartum Haemorrhage and Instrumental Vaginal Delivery in CME for DNB students on March 16-17, 2013.
- 8. Panelists on Premature menopause for Chandigarh IMS.
- 9. Moderator for Panel discussion on Screening for Congenital Defects in May, 2012.
- 10. Lecture on Cervical Cancer Screening (Pap & VIA) for training of Medical Officers for common cancers on October 25, 2012.
- 11. Clinical Demonstration of Screening methods for training of Medical Officers for common cancers on October 25, 2012.
- 12. Panel Discussion on Vitamin D and Women's Health, Launch of IMS Website in February 2013. Moderators- Dr. Navneet Takkar, Dr. Reeti Mehra, Panelists- Dr. Vanita Suri, Dr. Nirja Chawla, Dr. Lovleen Sodhi.

Membership of Societies

1. Treasurer of Indian Menopause Society, Chandigarh Chapter.

- 2. Life Member, World Laproscopic Surgeons.
- 3. Fellow of Indian Medical Sciences Academy.

Dr. Rimpy Tandon

- 1. Panel discussion in Indeterminate adnexal mass GOCON 1 in May, 2012.
- 2. Management of abnormal cervical screening results Training of medical officers / staff nurses in screening for most common cancers in women in October, 2012.
- 3. IMS Quiz Moderator Quiz at GMCH, Chandigarh in November, 2012.

Dr. Bharti Goel

Papers presented

- 1. Presented a poster on "Dysgerminoma with Pregnancy" in the Annual Conference of Association of Gynae Oncologists of India held in Mumbai in November, 2012.
- 2. Took part as a delegate in a Conference on Research Methodology organized by Clinical Research Secretariat of TATA Memorial Hospital, Mumbai in October, 2012.
- 3. Delivered two lectures on "Induction of Labour" and "Antepartum & Intrapartum fetal monitoring" in the CME organized by our department of PG and DNB students in March, 2013.

Training Attended

Took six months training in Surgical Oncology – Gynaecology at TATA Memorial Cancer Hospital, Mumbai from September, 2012 to February, 2013.

Delivered Talk

Presented Health Talk on Carcinoma of Cervix and Carcinoma of Breast on Day Night News Channel on 15.04.2013.

Dr. Dilpreet Kaur

Conferences Attended

- 1. Attended CME on Genetic Screening and Advanced Neonatal Care in May, 2012 at GMCH, Chandigarh.
- 2. Attended 5th National Conference of Society of Endoscopic and Laparoscopic Surgeons of India and International Surgical Workshop in November, 2012 at PGIMER, Chandigarh.
- 3. Attended CME on Diabetes by Indian Menopausal Society in March, 2013 at Chandigarh.

Training and Lectures delivered

- 1. Trainer of Trainees (TOT) for National Postpartum IUCD insertion programme Three days training course in November, 2012.
- 2. Delivered lecture in "Contraceptive Update" on IUCD newer technique of insertion in August, 2012.
- 3. Delivered lecture in "Contraceptive Update" on Medical eligibility criteria for CuT 380A in August, 2012.
- 4. Delivered lecture on Side effects, complications and management of PPIUCD in Training on PPIUCD in March, 2013.
- 5. Delivered lecture on Initiation and Follow up formats of PPIUCD in Training on PPIUCD in March, 2013.
- Delivered lecture on Post menopausal bleeding and ovarian cancer screening in Training of Medical Officers / Staff Nurses in screening for most common cancers in women in October, 2012.
- 7. IMS Quiz Moderator Quiz at GMCH, Chandigarh in November, 2012.

Dr. Sunita Arora

Prize/Award

FOGSI. Dr. C.S. Dawn Prize. AICOG 56th held in Mumbai January, 2012.

Conference Attended

Attended 5th National Conference of Society of Endoscopic & Laproscopic Surgery of India and International Surgical Workshop in November, 2012 at PGIMER, Chandigarh.

Membership of Societies

Member of International Medical Science Academy.

Dr. Anju Singh

Attended CME on Diabetes by Indian Menopausal Society in March, 2013 at Chandigarh.

Dr. Sujata Siwatch

- 1. Attended CME on Diabetes by Indian Menopausal Society in March, 2013 at Chandigarh.
- 2. Awarded MICOG (Membership of Indian College of Obstetrics & Gynaecology.

CMEs Organized

- The Department of Obstetrics & Gynaecology organized FOGSI CME on "Diabetes and Thrombophilias in Pregnancy" under the aegis of Obstetrical & Gynaecological Society of Northern India on September 1, 2012.
- Organized two days CME Programme for PG / DNB students for North India(Obstetrics & Gynae Clinical Presentations) on March 16-17, 2013 attended by Postgraduate students of Punjab, Haryana & Himachal Pradesh.

Services provided

Obstetrics

The department provides Janani Suraksha Yojna (JSY) cash benefits for underprivileged pregnant ladies Janani Shishu Suraksha Karyakram (JSSK) services are also being provided by the department since July 2011. The outpatient department had a total of 14,356 patients, during the year 2012. A total number of 6052 antenatal patients and 18,318 revisited the OPD in 2012. All investigations for pregnant women are free.

The labour room receives all life threatening labour complications referred from Haryana, Punjab, Himachal Pradesh and Chandigarh. A total of 5728 deliveries (out of which 2140 were caesarian section) were carried out in 2012. All deliveries (complicated, caesarian sections) are cashless. Blood transfusion and treatment of sick newborns is also free. The emergency operation theatre works round the clock and provides quality services. The central ICUs admit all seriously ill patients and are managed in collaboration with the intensivist.

Gynaecology

The OPD caters to more than 9000 patients annually. Emergency services are provided for all gynaecological emergencies and these were availed by 11,502 new registration and 2711 revisits in the year 2012.

The department offers all management of infertility (except IVF), laparoscopic and hysteroscopic surgeries, oncology-surgery and routine gynae surgery for common condition like fibroids, ovarian cysts and uterovagial prolapse. There were a total number of 2810 major and 1697 minor surgeries during the year 2012.

The OPD runs services for all gynaecological problems, infertility, preventive oncology, menopausal problems and prenatal genetic disease prevention.

Training

The department has kept abreast of all recent developments so that the teaching of MBBS and MD students and the treatment provided to patients is evidence based. All the faculty members are

active members of societies related to Obstetrics & Gynae like FOGSI, IMS, Infertility Society, Perinatal and Genetic Society etc. All the faculty members participate actively in delivering guest lectures at various CMEs organized by the North Chapter of FOGSI.

- 1. The department has an annual intake of three students for MD.
- 2. Batch of 50 students of MBBS are being taught every year.
- 3. Emergency Obstetric Care (EMOC) training for in-service doctors working at peripheral hospitals in Haryana in collaboration with Haryana Government and WHO sponsored scheme (through AVNI). Three batches of doctors have been trained at GMCH. These doctors then go for training and hands-on work to Civil Hospitals in Haryana (Rewari, Hisar, Kurukshetra etc.) and our faculty members go there for the assessment of their training at these centres.

Research Completed during the year

Foetal and maternal outcome in Intrahepatic cholestasis of pregnancy sanctioned by the department of Science & Technology, UT, Chandigarh.

Principal Investigators : Dr. Sunita Arora. Co-Investigators : Dr. Anju Huria, Dr. Poonam Goel, Dr. Jasbinder Kaur.

Short note:

Prevalence of cholestasis of pregnancy at GMCH is 4.08%. Disease seems to be more prevalent in urban population and is independent of parity. Elective termination of pregnancy at 37 weeks gives a good fetal and maternal outcome but larger comparative studies are needed to reach at a conclusion. SGOT & SGPT levels > 300 and S.bile acids levels > 40 may be associated with fatal outcome for the fetus. Earlier induction can be planned in such cases. No significant rise in incidence of IUGR / preterm delivery or meconium staining of liquor was seen in study in patients with cholestasis.

Research in progress

- 1. Association of Vitamin D deficiency during pregnancy with preeclampsia and eclampsia sanctioned by the Department of Science & Technology, UT, Chandigarh.
 - Principal Investigator : Dr. Poonam Goel, Co-investigators : Dr. Jasbinder Kaur, Dr. Anju Huria, Dr. Reeti Mehra, Dr. Rimpy Tandon.
- 2. Prevalence of Iodine Deficiency during pregnancy and its correlation with hypothyroidism sanctioned by the department of Science & Technology, UT, Chandigarh.
 - Principal Investigator: Dr. Bharti Goel, Co-Investigators: Dr. Poonam Goel







Publications

- 1. Goel P, Isher H, Saha PK, Tandon R, Devi L, Dhami GP. Lamotrigine Induced Hypersensitivity Syndrome in Pregnancy. NJOG 2012 Jan-June; 7(3): 68-70.
- 2. Goel P, Kaur J, Saha PK, Tandon R,
- Devi L. Prevalence, Associated risk factors and effects of hypothyroidism in pregnancy: A study from North India. Gynecol Obstet Invest. 2012 Jun 23 (Epub ahead in print)
- 3. Sehgal A, Rani S, Takkar N. Pregnancy following restenosis of complete transverse vaginal septum. Int J

- Reprod Contracep Obstet Gynaecol 2013; 2(2): 229-230.
- 4. N. Takkar, Pragya Goel. Irneet Kaur, Alka Sehgal. Uterine granuloma involving the myometrium: Two case reports. Journal of Mid-life Health Jan-March 2013, Vol. 4, Issue 1, Pg. 60.
- Reeti Mehra, Shailja Kataria, Anju Huria. Obstetric Intensive Care: A five year review. Indian Obstetric & Gynaecology Journal. Accepted in 2012.
- Rimpy Tandon, Poonam Goel, Shailja Kataria, Pradip Kumar Saha, RPS Punia, Kislay Dimri. Paraneoplastic Erythrocytosis in a Malignant Ovarian Steroid Cell Tumour. Indian J Hematol Blood Transfus 2012.
- Bharti Goel, Sunita Arora, Alka Sehgal. Pyomyoma: A Rare cause of acute abdomen in pregnancy. Journal of Medical College, Chandigarh 2012, Vol. 2, No. 1, March 2012.
- 8. S Arora, R Mehra, S Taneja, A Huria. Tubo ovarian abscess after hysterosal-pingography in patient with endometriotic cyst: A Report. IOG July 2012.
- 9. S Arora, P Goel, V Bhalla, N Aggarwal. Complete uretherovesical disruption following obstructed labour. Indian Journal of Urology. July – Sept 2012, Vol. 28, Issue 3.
- Anju Singh, Neelam Aggarwal, Seema Chopra, Pooja Sikka, Vanita Suri, Bhupesh Kumar, Pinaki Dutaa. Management of Pseudohypo-

- parathyroidism Type 1a during pregnancy and labour: A Case Report. Hindawi Publishing Corporation, Case Reports in Obstetrics & Gynaecology, Vol 2012, Article ID 629583, 2 pages.
- Siwatch S, Saha SC, Aggarwal N, Dhaliwal LK, Nijhawan R. Aggressive Angiomyxoma pelvis presenting as ovarian tumor with vault prolapse. Journal of Medical Education and Research. April – Jun 2012; 46(2): 102-03.
- 12. Siwatch S, Chopra S, Suri V, Gupta N. Placenta percreta: rare presentation of haemorrhage in the second trimester. BMJ Case Rep. 2013 Feb 20; 2013.
- 13. Siwatch S, Sehgal A, Goyal LD. Hysterotomy: Indications and Associated Complications: An Indian Teaching Hospital Experience. NJOG 2012 Jul-Dec; 7 (2): 17-20.
- 14. Siwatch S, Kundu R, Mohan H, Huria A. Histopathologic audit of 1000 hysterectomy specimens in a teaching hospital. Srilankan J Obstet Gynecol 2012; 34: 155-158.
- 15. Shikha Rani, Alka Sehgal, Vidhur Bhalla, Navneet Takkar. Lieomyoma demanding multidisciplinary approach: Case report. South East Asian Journal of Case Reports & Review 2013 Vol. 2, Issue 2.
- Pratiksha Gupta, Alka Sehgal case report- Corpus Luteum haematoma and asynchronous bilateral ovarian torsion:
 Internet journal of health April 2012.
- 17. Gurjit Kaur, Jyoti Srivastav, Avneet

- Kaur, Anju Huria, Poonam Goel, Ravinder Kaur, Sandeep Kataria, Bir Singh Chavan, Suman Kochhar, Purnima Aggarwal, Narinder Kaur, Inusha Panigraphi and Pawandeep Chawla. Maternal serum second trimester screening for chromosomal disorders and neural tube defects in a government hospital of North India. Prenatal Diagnosis 2012, 32, 1-5.
- 18. Lajya Devi, Rimpy Tandon, Poonam Goel, Anju Huria, Pradip Kumar Saha. Pelvic tuberculosis mimicking advanced ovarian malignancy. Tropical Doctor 2012: 1-3.
- 19. Navneet Magon, Monica Chauhan, Poonam Goel, Sonia Malik, Krishan Kapur, Alka Kriplani, Lakhbir Dhaliwal, Suchitra N Pandit. Levonorgestrel intrauterine system: Current role in management of heavy menstrual bleeding. Journal of Midlife Health, Jan-Mar 2013, Vol. 4, Issue I.
- 20. Navneet Magon, Monica Chauhan, Poonam Goel, Rupinder K Ruprai. The many lives of mifepristone: Multiglandular exaptation of an endocrine molecule. Indian Journal of Endocrinology and Metabolism 2012, Vol. 16, Issue 4, 670-671.
- 21. Mohan H, Bhist B, Goel P, Garg G. Vulval Elephantiasis: A case report. Journal of Case Reports in Infectious diseases 2012.
- 22. Sukanya Mitra, Alka Sehgal. Diclofenac Tramadol vs Diclofenac acetamniophen Combination for Pain

- Relief after Cesarean Section. Acta Anaesthesiaologica Scandinvica Vol 56, Issue 6, 706-711, July 2012.
- 23. Gupta A, Arora A, Menakshi A, Sehgal A, Sehgal R. Nanotechnology and Its Applications in Drug Delivery: A Review. Webmed Central: International Journal of Medicine and Molecular Medicine 2012;3 (1):WMC002867 (impact factor 1.5)
- 24. Abhimanyu Kumar Jha; Mohsen Nikbakht; Veena Jain; Alka Sehgal; Neena Capalash; Jagdeep Kaur, Promoter hypermethylation of p73 and p53 genes in cervical cancer patients among north Indian population: Molecular biology reports, Volume:-ISSN:1573-4978,2012 Jun (impact factor 2.04)
- 25. Rakesh Sehgal, Kapil Goyal, and Alka Sehgal. Trichomoniasis and Lactoferrin: Infectious Diseases in obstetrics and Gynecology, Volume 2012 (2012), Article ID 536037
- 26. Kaur J, Goel B, Sehgal A. Rupture uterus. Int J Reprod Contracept Obstet Gynecol 2012; 1(1): 64-66.
- 27. Bhalla V, Rani S. Post caesarean vesico vaginal in uterovaginal fistula: case report. Journal of Medical College, Chandigarh 2012; 2 (2): 45-6.
- 28. Bagga R, Siwatch S, Srinivasan R, Dhaliwal LK. Surveillance without chemotherapy in a woman with recurrent molar pregnancy. BMJ Case Rep. 2013 Feb 6; 2013.

Chapter in book

- 1. Recent Advances in Immunology to Target Cancer, Inflammation and Infections, Edited by Jagat R. Kanwar, ISBN 978-953-51-0592-3, Publisher: InTech, Chapters published May, 2012 under CC BY 3.0 license.
- 2. Sehgal A, Siwatch S. Screening for
- osteoporosis: Osteoporosis: an updata. In: Gill SS, Garg R, Bansal P. Osteoporosis: A review. New Delhi: Gulab Publishers: 2013: 85-92.
- 3. Dr. Asha Kapadia, Dr. Navneet Takkar. Screening in Breast Cancer. Clinical Practice Guidelines on Menopause.

DEPARTMENT OF OPTHALMOLOGY

Faculty

Sunandan Sood	Professor & Head	MS
Sudesh Kumar Arya	Professor	MD
Suresh Kumar	Associate Professor	MS
Subina Narang	Associate Professor	MS
Rakesh Kumar Bansal	Assistant Professor	MS, FRCSEd
Parul Ichhpujani	Assistant Professor	MS
Amit Raj	Assistant Professor	MS
(Date of Joining: 15.06.2012)		

Invited Lecture

Dr. Sunandan Sood

- 1. 1st National Conference of Neuropthalmology, PGIMER, Chd.
- 2. National Conference of Strabismus "STRABICON 2012" at PGIMS, Rohtak.

Dr. S K Arya

- 1. Annual Conference of DOS, Delhi April 6th-8th, 2012.
- 2. Annual Conference of NZOS, Chandigarh Nov. 2nd-4th, 2012.
- 3. Chief Instructor -NZOS 2nd-4th Nov., 2012 Glued IOL fixation.
- 4. Co-chairman NZOS Annual Conference 2nd-4th Nov., 2013.

Dr. Suresh Kumar

- 1. Congenital Glaucoma. Presented in the 26th Annual Conference of North Zone Ophthalmological Society held at Chandigarh from Nov. 2-4,2012.
- 2. Surgical Management of Glaucoma. Presented in the 16th Annual Conference of Punjab Ophthalmological Society "EYECON PATIALA 2012" from Dec. 15-16, 2012 at Patiala.
- 3. Panelist in the session "Symposium on Glaucoma" in 16th Annual Conference of Punjab Ophthalmological Society "EYECON PATIALA 2012" from Dec. 15th-16th, 2012 at Patiala.
- 4. Annual Conference of DOS, Delhi April 6th-8th, 2012 Role of Releaseable sutures in Trabeculectomy.
- 5. Wet Lab Instructor for Trabeculectomy; at XXII Annual Conference of Glaucoma Society of India, GLAUCONS, October 5-7, 2012, Coimbatore.

6. Does a laser iridotomy still have a role in all patients with pigment dispersion/pigment dispersion glaucoma. Presented in the 22nd Annual Conference of the Glaucoma Society of India held at Coimbatore from October 5-7, 2012.

Dr. Subina Narang

- 1. Annual meet North Zone Ophthalmological Society NZOS, November 2012.
- 2. FFA and OCT in CSME
- 3. Annual meet Delhi Ophthalmological Society DOS 2013.ROP: Recommended Screening Protocols for India.
- 4. CME Diabetes and retinopathy GMCH, Chandigarh. When to refer a diabetic to Ophthalmologist.
- 5. CME Ophthalmological association of Chandigarh, PGIMER. Role of Anti-VEGF in Wet AMD.
- 6. All India Ophthalmological Society and Asia Pacific Society, Hyderabad 2012. Challenging case: Choroidal osteoma.
- 7. Convenor free paper Session I NZOS EYECON 2012.

Dr. Rakesh Kumar Bansal

- 1. 64th Annual Conference of DOS.
- 2. Jalandhar cataract & refractive surgery society.
- 3. NZOS EYECON 2012, panelist on squint in symposium.
- 4. Lecture on uses of Ophthalmic Equipment CSIO, Chandigarh.

Dr. Parul Ichhpujani

- 1. Invited faculty and Coinstructor in Instruction Course: Trabeculectomy: How I do it. Topic: Techniques of Releasable sutures; at First Asia Pacific Glaucoma Congress, December 7-9, 2012 Bali, Indonesia.
- Discussant for Free Paper Importance of Family Screening in angle closure glaucoma; at XXII Annual Conference of Glaucoma Society of India, GLAUCONS, October 5-7, 2012, Coimbatore.
- 3. Wet Lab Instructor for Trabeculectomy; at XXII Annual Conference of Glaucoma Society of India, GLAUCONS, October 5-7, 2012, Coimbatore.
- 4. Moderator and Speaker in Glaucoma session; Evolution of Evaluation of Optic Nerve Head; XXVI Annual North Zone Ophthalmological Society Conference (NZOS EYECON 2012), November 2-4, 2012, Chandigarh.

5. Panelist and Speaker in Glaucoma Session; Imaging in Glaucoma; at XVI Annual Punjab Ophthalmological Society, December 14-16, 2012, Patiala.

Dr. Amit Raj

- 1. 64th DOS Annual Conference, April 12-14, 2013, New Delhi
- 2. Co-chairman NZOS Annual Conference 2nd-4th Nov., 2013.
- 3. Convenor free paper Session II NZOS EYECON 2012.
- 4. Convenor Oculoplasty Session NZOS EYECON 2012.

Presentations:

International

- 1. Kumar S. Effect of disease in IOP on retinal nerve fibre layer thickness on optical coherence tomography after treatment in primary open angle glaucoma patients. Presented in 28th Asia Pacific Academy of Ophthalmology held at Hyderabad from January 17-20, 2013.
- 2. Sood S. Current role of Anti VEGF in RVO 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS-2013) Jan. 17-20, 2013 Hyderabad.
- 3. Sethi Neha, Arya SK, Malik A. Correlation of clinical findings with conjunctival and corneal impression cytology findings in various ocular surface disorders. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS-2013) Jan. 17-20, 2013 Hyderabad.
- Arya SK, Khanna Anjani, Malik A, Gupta Parul, Sood S. Management of Ocular Surface Neoplasia: our experience. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS-2013) Jan. 17-20, 2013 Hyderabad.
- 5. Malik A, Brar S, Bansal RK, Sood S, Gupta P, Arya SK. Retrospective analysis of malignant eyelid tumors. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS-2013) Jan. 17-20, 2013 Hyderabad.
- Malik A, Gupta P, Arya SK, Sood S. Wound modulation with botulinum toxin. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS-2013) Jan 17-20, 2013 Hyderabad.
- 7. Arya SK, Gupta P, Brar S, Malik A, Sood S. Ocular morbidity in a blind school in Chandigarh. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS-2013) Jan. 17-20, 2013 Hyderabad.
- 8. Arya SK, Narang S, Malik A, Gupta P, Sood S. Glued fixation of posterior dislocated IOL. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS-2013) Jan. 17-20, 2013 Hyderabad.
- 9. Ichhpujani P. Needle revision of failed blebs with subconjunctival bevacizumab and 5-fluorouracil injection: A comparative case series; at First Asia Pacific Glaucoma Congress,

- December 7-9, 2012 Bali, Indonesia.
- 10. Bansal RK, Garg A, Sood S. Comparative evaluation of two different types of LRI for managing astigmatism in patients undergoing phacoemulsification. World Ophthalmological Conference Abu Dhabi UAE 2012.
- 11. Bansal RK, Bansal N, Chawla P. Congenital muscle fibros and its management: A case report. World Ophthalmological Conference Abu Dhabi UAE 2012.
- 12. Kansal S, Bansal RK, Bansal N. Modified bony window for external DCR. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS-2013) Jan. 17-20, 2013 Hyderabad.
- 13. Kansal S, Bansal RK, Bansal N.Ocular changes in patients of cerebral palsy 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS-2013) Jan. 17-20, 2013 Hyderabad

National

- 1. Sood S, Narang S, Bhayana S. Intravitreal bivacizumab versus PST with laser treatment in DDME Annual Conference of VRSI Dec. 6-8, 2012 at Guwahati.
- 2. Arya SK, Malik A, Sood S, Brar S Management of peripheral ulcerative keratitis: our experience AIOS annual conference 2-5 Feb; 2012, Cochin.

Regional

- 1. Sood S. Update on CRVO. Annual Conference of NZOS Nov. 2-4, 2012, Chandigarh.
- 2. Arya SK. Role of AMT in Ocular surface disorders. Annual conference of Delhi Ophthalmological Society Apr, 6-8, 2012 at Delhi.
- 3. Sood S. Investigations in Uveitis. Annual Conference of POS Dec. 14-16, 2012.
- 4. Sood S. Management of DME a stepwise approach. Annual Conference of HOS Feb.24, 2013 Rohtak.
- 5. Arya SK.Management of Mycotic Keratitis. Annual conference of Delhi Ophthalmological Society Apr. 6-8, 2012 at Delhi.
- 6. Arya SK.Peripheral ulcerative keratitis. Annual conference of Delhi Ophthalmological Society Apr. 6-8, 2012 at Delhi.
- 7. SK Arya. Glued fixation of posterior dislocated IOL.Annual conference of North Zone Ophthalmological Society Nov. 2-4, 2012 at Chandigarh.
- 8. SK Arya. Management of Peripheral ulcerative Keratitis. Annual conference of North Zone Ophthalmological Society 2-4Nov, 2012 at Chandigarh.
- 9. Chawla P, Arya SK, Kumar Vinod, Sood S.Role of visual evoked potential in ocular trauma. Annual conference of North Zone Ophthalmological Society Nov. 2-4, 2012 at Chandigarh.

- Raj A, Arya SK, Jindal V. Unilateral visual loss due to central retinal artery occlusion with total Annual conference of North Zone Ophthalmological Society Nov. 2-4, 2012 at Chandigarh ophthalmological following cervical spine surgery in prone position.
- 11. Chawla P, Arya S K, Jindal V, Raj A. Management of Ocular surface neoplasia: our experience. Annual conference of North Zone Ophthalmological Society Nov. 2-4, 2012 at Chandigarh.
- 12. Kataria M, Arya SK, Chawla P, Sood S. Peripheral Ulcerative keratitis: Our experience. Annual conference of North Zone Ophthalmological Society Nov. 2-4, 2012 at Chandigarh.
- 13. Topiwala P, Bansal RK, Arya SK, Kansal S. Comparative evaluation of cyanoacrylate and fibrin glue for muscle recession in strabismus surgery. Annual conference of North Zone Ophthalmological Society Nov. 2-4, 2012 at Chandigarh.
- 14. Jindal V, Arya S K, Chawla P, Sood S. Management of exotropia: our experience Annual conference of North Zone Ophthalmological Society Nov. 2-4, 2012 at Chandigarh.
- 15. Kumar S. Congenital Glaucoma. Presented in the 26th Annual Conference of North Zone Ophthalmological Society held at Chandigarh from Nov. 2-4,2012.
- Kumar S. Surgical Management of Glaucoma. Presented in the 16th Annual Conference of Punjab Ophthalmological Society "EYECON PATIALA 2012" from Dec. 15-16, 2012 at Patiala.
- 17. Kumar S. Panelist in the session "Symposium on Glaucoma" in 16th Annual Conference of Punjab Ophthalmological Society "EYECON PATIALA 2012" from Dec. 15th-16th, 2012 at Patiala.
- 18. Kumar S. Does a laser iridotomy still have a role in all patients with pigment dispersion/pigment dispersion glaucoma. Presented in the 22nd Annual Conference of the Glaucoma Society of India held at Coimbatore from October 5-7, 2012.
- 19. Kansal S, Bansal RK, Bansal N. Comparison of two hours and six hours of for anisometropic amblyopia Annual conference of Delhi Ophthalmological Society Apr. 6-8, 2012 at Delhi.
- 20. Khanna A, Bansal RK. Results of unilateral recession and resection for divergent squint. Annual conference of Delhi Ophthalmological Society Apr. 6-8, 2012 at Delhi.
- 21. Bansal RK. LRI in controlling post operative astigmatism. Annual conference of Delhi Ophthalmological Society Apr. 6-8, 2012 at Delhi.

Members Of International Societies

Dr. S K Arya

1. International Association of Contact Lens Educators, Australia.

Dr. Subina Narang

International union against cancer UICC.

Dr. Suresh Kumar

Annual Member of Association in Research & Vision (ARVO).

Dr. R K Bansal

Member of Royal College of Surgeon, Edinburg.

Membership of Executive Committee

Dr. Sunandan Sood

President, North Zone Ophthalmological Society.

Dr. Sudesh Kumar Arya

- 1. Member Managing Committee All India Ophthalmological Society.
- 2. President, Chandigarh Ophthalmological Society (2011-2013).

Dr. Suresh Kumar

- 1. Member Managing Committee All India Ophthalmological Society.
- 2. Treasurer, North Zone Ophthalmological Society.
- 3. North Zone representative Glaucoma Society of India.

Dr. Subina Narang

- 1. Organising secretary of CME-Diabetes and retinopathy.
- 2. Joint secretary Chandigarh Ophthalmological Society.

Dr. Rakesh Kumar Bansal

- 1. Secretary, North Zone Ophthalmological Society.
- 2. Vice President, Chandiarh Ophthalmological Society.

Dr. Parul Ichhpujani

- 1. Member Scientific Committee North Zone Ophthalmological Society.
- 2. Executive Committee member, Chandigarh Ophthalmological Society.

Dr. Amit Raj

1. Executive Committee member, Chandigarh Ophthalmological Society.

CMEs Organised

- 1. The department organized Eye Donation CME on September 8, 2012 at GMCH-32, Chandigarh.
- 2. The department organized Annual Conference of North Zone Ophthalmological Society held at GMCH, Chandigarh from Nov., 2-4, 2012.
- 3. The department organized CME on Diabetes and Retinopathy, held at GMCH, Chandigarh on April 6, 2013.

Conferences Attended

Dr. Sunandan Sood

- 1. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS 2013) 17-20 Jan, 2013 Hyderabad.
- 2. International Academy of Prevention of Blindness (IAPB) 19th-20th Sep., 2012, Hyderabad.
- 3. Annual Conference of VRSI 6th-8th Dec, 2012.
- 4. Annual Conference of Strabismus Society of India "Strabicon 2012" on 1st-2nd Dec, 2012, PGIMS Rohtak.
- 5. Annual Conference of North Zone Ophthalmological Society 2-4th Nov, 2012 at Chandigarh.
- 6. Punjab Ophthalmological Society 14-16 Dec, 2012.
- 7. Haryana Ophthalmological Society 24 Feb, 2013.

Dr. Sudesh Kumar Arya

- 1. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS 2013) Jan. 17-20, 2013 Hyderabad.
- 2. Annual conference of Delhi Ophthalmological SocietyApr, 2012 at Delhi.
- 3. Annual Conference of North Zone Ophthalmological Society Nov. 2-4, 2012 at Chandigarh.

Dr. Suresh Kumar

- 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS 2013) Jan. 17-20, 2013 Hyderabad Annual Conference of North Zone Ophthalmological Society, November 2-4, 2012, Chandigarh.
- 2. XXII Annual Conference of Glaucoma Society of India, GLAUCONS, October 5-7, 2012, Coimbatore.

- 3. Annual conference of Delhi Ophthalmological Society Apr, 2012 at Delhi.
- 4. Annual Conference of ARVO at Ft. Lauderdale, Florida, USA May, 10 2012.
- 5. 16th Annual Conference of Punjab Ophthalmological Society "EYECON PATIALA 2012" from Dec. 15th-16th, 2012 at Patiala.

Dr. Subina Narang

- 1. World Ophthalmological Conference, Abu dhabi, UAE 2012.
- 2. World ROP Congress, Shanghai, CHINA.
- 3. Taking part in seminar and conference as delegate.
- 4. All India Ophthalmological Society 2012.
- 5. North Zone Ophthalmological Society.
- 6. Chandigarh Ophthalmological Society annual meet.
- 7. Delhi Ophthalmological Society annual meet.
- 8. CME Diabetes and retinopathy, GMCH.
- 9. CME Ophthalmological association of Chandigarh, PGIMER.

Dr. Rakesh Kumar Bansal

- 1. World Ophthalmological Conference, Abu dhabi, UAE 2012.
- 2. 28th Asia Pacific Academy of Ophthalmology Congress (APAO-AIOS 2013) 17-20 Jan 2013 Hyderabad.
- 3. Annual conference of Delhi Ophthalmological SocietyApr, 2012 at Delhi.
- 4. Annual Conference of North Zone Ophthalmological Society 2-4th Nov, 2012 at Chandigarh.

Dr. Parul Ichhpujani

- 1. First Asia Pacific Glaucoma Congress, December 7-9, 2012 Bali, Indonesia.
- 2. Annual Conference of North Zone Ophthalmological Society, November 2-4, 2012, Chandigarh.
- 3. XXII Annual Conference of Glaucoma Society of India, GLAUCONS, October 5-7, 2012, Coimbatore.

Dr. Amit Raj

- 1. 63rd Delhi Ophthalmological Society, Annual Conference, April 6th 8th 2012, New Delhi.
- 2. 26th Annual Conference of North Zone Ophthalmological Society, 2nd 4th November, 2012, Chandigarh.

3. Delhi Ophthalmological Society Sub Specialty Workshop, 23rd September, 2012, New Delhi.

2. Services

Patient Care In Ophthalmology Department During The Last Two Years

	2011	2012
Total number of patients attended in Eye OPD	43932	46416
Total number of Major Surgeries	2357	2334
Total number of Minor Surgeries	1596	2525

Specialty Clinics and Services Provided by the Department

- 1. Retina, Uvea & ROP Clinic
- 2. Cornea Clinic & Contact Lens Clinic
- 3. Glaucoma Clinic
- 4. Squint Clinic
- 5. Oculoplasty Clinic
- 6. Paediatric Ophthalmology Clinic
- 7. Lens Clinic
- 8. Refraction Clinic
- 9. Glaucoma Lab (Laser & FFA)
- 10. OCT
- 11. Electrophysiology Lab (VEP & ERG)
- 12. Eye Bank Services
- 13. Keratoplasty

Training

Teaching & Training provided to the undergraduate as well as post graduates in the department of Ophthalmology. There is three seats of Postgraduate students (MS Ophthalmology) per year. All the three students (MS) have passed out in 2013. There is four seats of B.Optom. studentsper year. Twelve students (Part I, II & III) appeared in the examination of 2013, result is still awaited.

DEPARTMENTAL HIGHLIGHTS

The department is presently running three courses namely MS, MBBS & B.Optometry course. The department is very well equipped and has excellent infrastructure facilities as well as the faculty for comprehensive training of the students of all the above said three courses. In addition the department provides community ophthalmology services to the needy people through three satellite centres near Khamano & in Rural Health Training Centre (RHTC) & Urban Health Training Centre (UHTC), Chandigarh. The department organizes approximately 30 camps in a year namely Eye Screening Camps for the general public, Eye Screening Camps for school going students, Eye Donation Awareness camps & Ocular disability assessment camps. The department actively participates in the Eye Donation Awareness fortnight & Glaucoma Awareness week every year. This is the only department in north India which provides quality phaco surgery to the patients through a no profit no loss IOL Package.



Publications

- Malik A, Bhala S, Arya SK, Sood S & Narang S. Five-year study of ocular injuries due to fireworks in India. International Ophthalmology Online 13 Jan., 2013.
- Gupta N, Arya SK, Walia D, Sood S.
 Ocular morbidity among school going
 children in Union territory of Chandigarh
 Accepted for publication in International
 Ophthalmology (The International
 Journal of Clinical Ophthalmology and
 Visual Sciences).
- Narang S, Mashayekhi A, Rudich D, Shields CL. Predictors of long-term visual outcome after chemoreduction for management of intraocular retinoblastoma. Clin Experiment Ophthalmol. 2012;40(7):736-4.
- Stewart William C Oehler, Jeffrey C, Choplin Neil T, Markoff Joseph I, Moster Marlene R, Ichhpujani P, Nelson Lindsay A. A Comfort Survey of Timolol Hemihydrate 0.5% Solution Once or Twice Daily vs Timolol Maleate in Sorbate. Journal of Current Glaucoma Practice. Volume 7, Issue 1, January-April2013;Pages No:11-16.
- Ichhpujani P, Bhartiya S, Kataria M, Topiwala P. Knowledge, Attitudes and Self-care Practices associated with Glaucoma among Hospital Personnel in a Tertiary Care Center in North India. Journal of Current Glaucoma Practice. Volume 6, Issue 3 September-December 2012, Pages No:108-112.

- Bhala S, Narang S, Sood S, Mithal C, Arya SK, Gupta V. Microbial contamination in open globe injury. Nepal J Ophthalmol 2012; 4(7):84-89.
- 7. Malik A, Singh M, Arya SK, Sood S, Ichhpujani P. Retinal nerve fiber layer thickness in Indian eyes with optical coherence tomography. Nepal J Ophthalmol 2012; 4(7):59-63.
- 8. Narang S, Sood S, Kaur B, Singh R, Mallik A, Kaur J. Atorvastatin in clinically-significant macular edema in diabetics with a normal lipid profile. Nepal J Ophthalmol. 2012;4:23-8.
- Sood S, Narang S, Kocchhar S, Sarda S, Aggarwal S, Arya SK. Correlation of progression of diabetic retinopathy with the alterations in retrobulbar circulation. Nepal J Ophthalmol 2013;5(9):81-86.
- Khanna A, Ichhpujani P. Low Vision Aids in Glaucoma. Journal of Current Glaucoma Practice. Volume 6, Issue 1 January-April 2012, Pages No: 20-24.
- 11. Kumar S, Kansal S, Topiwala P. Management of Refractory Glaucoma: Saxena R, Vanathi M, editors: DOS Times 2012 (18):61-64.

Publications In The Journal of Medical College, Chandigarh

Ichhpujani P. Treatment compliance in Glaucoma. Journal of Medical College, Chandigarh. Volume 2, Issue 1. March 2012, Pages No. 6-10.

Books

- 1. Ichhpujani P; Editor of an E Book under the FSG E-book Program: Glaucoma: Basic and Current Concepts [eISBN (PDF): 978-1-78084-297-4].
- 2. Kumar S, Bhadauria M: Pigment Dispersion Syndroma: Gupta V, Sood D, Kumar H, editors:Glaucoma Diagnosis
- and Management Pathways, Glaucoma Society of India 2013:98-100.
- 3. Mathew K, Kumar S, Nelivigi S: Steroid Induced Glaucoma: Gupta V, Sood D, Kumar H, editors: Glaucoma Diagnosis and Management Pathways, Glaucoma Society of India 2013: 111-117.

DEPARTMENT OF ORTHOPAEDICS

Faculty

Sudini daig Tiolessoi & fiead Wis (Offilo), OD	Sudhir Garg	Professor & Head	MS (Ortho), ODTS
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Ravi Gupta Professor MS (Ortho), DNB, MNAMS

Parmanand GuptaAssociate ProfessorMS (Ortho)Rohit JindalAssociate ProfessorMS (Ortho)Sandeep GuptaAssistant ProfessorMS (Ortho)

Manish Pruthi Assistant Professor MS (Ortho), DNB (Ortho)

Prof. Sudhir Garg

Invited Lectures

National/International

- 1. Treatment of tibial diaphyseal fracture Is non operative treatment worthwhile?, Annual Conference of Asia-Pacific Orthopaedic Association, 2012, New Delhi
- 2. Principles of Limb Salvage Surgery, Musculoskeletal Oncology Update, New Delhi
- 3. Management of Metastatic Bone Disease, Musculoskeletal Oncology Update, New Delhi

Papers presented

1. Treatment of Large (Companacci Grade III) Proximal Humerus GCT, Musculoskeletal Oncology Update, New Delhi

Taking part in seminar/conference

1. Asia Pacific Orthopaedic Association, New Delhi, 2012

Invited talks local/state/regional/CME

- 1. Approach to Bone Tumors, PG-DNB Course, Chandigarh
- 2. Diabetic Foot, CME on Management of Diabetic Foot, Chandigarh

Prof. Ravi Gupta

Awards and Honors

1. Dartmouth Hitchcock Fellowship by Indian Orthopaedics Association 2012

Presiding over National level CME/Conference

- 1. Course Director, IOA Basic Hand Course, SCB Medical College Cuttack, 7th October 2012.
- 2. Convener, IOA Basic Hand Course, Delhi 3rd November 2012.
- 3. Co Chairman AO Principles Course Agra 22-24 November 2012.
- 4. Co Chairman Scientific Committee, Annual Conference of Indian Society for Surgery of Hand Amritsar 28-30 September 2012.

Invited Lectures National/International

- 1. Meniscal injury and meniscectomy. 2nd Jaipur Knee and Shoulder Course 22nd July 2012.
- 2. Pathomechanics, diagnosis and imaging of ACL injuries. Cadaveric Arthroscopy Skill Course. Arthroscopy Learning Center Vardhman Mahavir Medical College and Safdarjang Hospital, New Delhi. 2-3 Sept 2012.
- 3. Clinical Evaluation of Hand Injuries. ISSH Basic Course in Hand Surgery. Department of Orthopaedics and Traumatology, Universal College of Medical Sciences, Bhairahawa, Nepal 22, 23 September 2012.
- 4. DRUJ problems in distal radius fractures. 36th annual conference of Indian Society for Surgery of Hand, Amritsar. 28-30 September 2012.
- 5. Complications of ACL Surgery. Workshop on Arthroscopy. Golden Jubilee Congress of the Asia Pacific Orthopaedic Association. 3-6 October, 2012. New Delhi.
- 6. Management of Kienbock's Disease. Golden Jubilee Congress of the Asia Pacific Orthopaedic Association. 3 -6 October, 2012. New Delhi.
- 7. Assessment of Hand Injuires. IOA Basic Workshop on Management of Hand Injuries. SCB Medical College Cuttack 7th October 2012.
- 8. Acetabular fractures: When to operate and when not to operate? Preconference workshop in XVIII annual conference of POA Amritsar 27th October 2012.
- 9. Basic Principles in fracture management in hand. DOACON 2012. Delhi. 3.11.12.
- 10. Wrist Injuries with apparently normal X rays. DOACON 2012. Delhi. 3.11.12.
- 11. Stiffness after ACL reconstruction. Congress of Arthroscopy and Sports Medicine Jaipur. 8-11 November 2012.
- 12. Paediatric Wrist Injuries- Tips and Tricks. Advanced Trauma Symposium by Gurgaon Orthopaedic Society. 17-18 November, 2012.

- 13. Relative Stability: Extramedullary Techniques. AO Trauma Principles Course. Agra 22-24 November, 2012.
- 14. Acetabular Fractures, should I ever be conservative? Symposiium on Pelvic and Acetabular Trauma. 57th Annual Conference of Indian Orthopaedic Association Chennai 12-16 December, 2012.
- 15. Distal radioulnar joint: What to do and when? A.K. Talwalkar symposium on "Understanding Carpal Instability and unraveling the Quandry of the DRUJ". 46th Western India Regional Conference (WIROC 2012) Mumbai 28-30 December, 2012.
- 16. Surgical decision making in small and medium rotator cuff tears. 8th International Symposium on current concepts in Knee and Shoulder Arthroscopic Surgery and Arthroplasty. 22-24 February 2013, New Delhi.
- 17. Acute Dislocation of Knee. 3rd Delhi Knee Course. India International Center Delhi 30-31 March, 2013.

Papers presented

- 1. Treatment of post burns contractures of fingers in children. 36th annual conference of Indian Society for Surgery of Hand, Amritsar. 28-30 September, 2012.
- 2. Management of finger tip injuries. Poster in 36th annual conference of Indian Society for Surgery of Hand, Amritsar. 28-30 September, 2012.
- 3. Primary and Secondary THR in Acetabular fractures. Poster in Midterm CME of Indian Arthroplasty Association, Chandigarh 30 September, 2012.
- 4. Neglected fracture dislocation of Shoulder: Case Presentation. Golden Jubilee Congress of the Asia Pacific Orthopaedic Association. 3 -6 October, 2012. New Delhi.
- 5. Implant failure in Side swipe injury of elbow. Golden Jubilee Congress of the Asia Pacific Orthopaedic Association. 3 -6 October, 2012. New Delhi.
- 6. Outcome of Kienbock's disease:effect of presenting stage of the disease and different treatment options. 12th Triennial Congress of the IFSSH, 4-8 March 2013, New Delhi.

Visits abroad

1. ISSH Basic Course in Hand Surgery. Department of Orthopaedics and Traumatology, Universal College of Medical Sciences, Bhairahawa, Nepal 22, 23 September 2012.

Membership international societies

- 1. Asia Pacific Orthopaedic Association
- 2. International Society for Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine
- 3. World Orthopaedic Concern

Membership of executive committee

- 1. President, Punjab Orthopaedic Association
- 2. Chairman (Hand Section), Indian Orthopaedic Association
- 3. Faculty of Medical Sciences Panjab University Chandigarh
- 4. Faculty of Medical Sciences, Baba Farid University of Health Sciences, Punjab

CME organized

NSM Workshop with Live Surgery from GMCH: 16,17 February 2013

Workshop on K Fixator GMCH

Taking part in seminar/conference

As mentioned in guest lectures and papers

Invited talks local/state/regional/CME

- 1. Clinical Examination of Shoulder. DNB/MS- Ortho Simulation Workshop 2013. 2-3 March, 2013. PGIMER Chandigarh.
- Fractures in Osteoporotic Bone. NAMS CME. GGS Medical College Faridkot. 23 March, 2013.
- 3. Complications of ACL Surgery. Chandigarh Orthopaedic Association meeting. 23rd March, 2013.

Dr. Parmanand Gupta

Invited Lectures

National/International

- 1. Classification of fractures at AO Trauma Course, Principles of Operative trauma Management 9-11 August 2012, Amritsar
- 2. Preoperative planning at AO Trauma Course, Principles of Operative trauma Management 9-11 August 2012, Amritsar
- 3. Fracture Healing at AO Trauma Course, Principles of Operative trauma Management 9-11 August 2012, Amritsar
- 4. Humerus fractures, Management at AO Trauma Course, Principles of Operative trauma Management 9-11 August 2012, Amritsar
- 5. Normal Limb Alignment in Children. At Growth Modulation and deformity correction, at POSICON 4th January 2013, Ahmedabad

Papers presented

- 1. Ilizarov for relapsed clubfoot, POSICON, 13-16 January, PUNE
- 2. Non-union fracture neck talus in child POSICON 5-6th January 2013, Ahmadabad

Membership international societies

Life member AO trauma

Membership of executive committee

- 1. Treasurer, NZOA
- 2. Executive Member POSI

Taking part in Seminar/Conference

- 1. AO Trauma Course, Principles of Operative trauma Management 9-11 August 2012, Amritsar
- 2. Growth Modulation and deformity correction, at POSICON 4th January 2013, Ahmadabad
- 3. 3rd AO Trauma National Conference 19-2013 April, Chandigarh
- 4. POSICON 5-6th January 2013, Ahmadabad
- 5. POSICON, 13-16 January, PUNE
- 6. Punjab Chapter of IOA, 27-28 October 2012

Invited talks Local/State/Regional/CME

- 1. Neglected Trauma Around Elbow in Children at Lobo Memorial Oration at CMC Ludhiana
- 2. Principles of Management in Distal Humerus Fracturesat Lobo Memorial Oration at CMC Ludhiana
- Current Concepts in Management of Distal Radius Fracturesat Lobo Memorial Oration at CMC Ludhiana
- 4. Controversies In Management Of Paediatric Upper Limb Fractures at Punjab Chapter of IOA, 27-28 October 2012
- 5. Current concepts of management of DDH at PG Instruction course lectures 2013. 2-3 March 2013. PGIMER Chandigarh.

Dr. Rohit Jindal

Papers presented

1. Diagonostic accuracy of transpedicular biopsy in vertebral body lesions Annual conference of ASSI: ASSICON 2013. Kochi, India.2010 2. Shoulder balance, Spinal imbalance and other complications of surgery for AIS AO Spine scoliosis week. Cochin 2012

Membership international societies

- 1. World Endoscopic Spine Society
- 2. SICOT

Membership of Executive Committee

Finance secretary, Punjab orthopedic association

Taking part in Seminar/Conference

- 1. Annual conference of ASSI: ASSICON 2013. Kochi, India. 2010
- 2. AO Spine scoliosis week. Cochin 2012

Invited talks local/state/regional/CME

- 1. Initial Management of musculoskeletal trauma and spinal injuries: Comprehensive emergency and trauma life support workshops
- 2. Charcoat neuroarthropathy: Panchkula Orthopedic Club

Dr. Sandeep Gupta

Membership International Societies

SICOT AOTRAUMA

CME organized

2 Day Workshop on Spine Surgery

Taking part in Seminar/Conference

AO Advanced Trauma Course 2012 (Chandigarh)

Invited talks Local/State/Regional/CME

- 1. At Panchkula Orthopaedic Club
- 2. Proximal Tibial Fractures
- 3. Radio -carpal fracture dislocations

Dr. Manish Pruthi

Papers presented

1. Periosteal Osteosarcoma at APOA' 2012, New Delhi

Taking part in seminar/conference

- 1. Presented monthly seminars in oncology at Tata Memorial Hospital, Mumbai till July' 2012
- 2. Attended APOA 2012 at New Delhi
- 3. Attended Muculoskeletal Oncology update in Feb'2013 at New Delhi

Services

(April 2012- March 2013)

1.	OPD	19630 patients seen
2.	Indoor Admissions	4853
3.	Emergency Services	10353 patients seen
4.	Surgeries Emg OT	Major : 1094 Minor : 59
5.	Surgeries Main OT	Major : 1940 Minor : 1756
	•	

CASES DONE IN ORTHO MAIN OT April 2012 to March 2013.

Year	Major	Minor	Total
April	139	104	243
May	167	153	322
June	150	216	366
July	162	180	342
August	209	176	385
September	163	143	306
October	188	159	347
November	166	138	304
December	166	132	298
January	128	99	227
Februa ry	137	77	214
March	165	177	342
			3696

Training

1. At present total of 3 students are undergoing training for MS Orthopaedic Surgery

Research in progress

ICMR Project entitled" Comparison of ACL reconstruction with free hamstring graft versus graft with preserved insertions: A prospective, randomized double blind clinical trial".

Principal Investigator: Prof. Ravi Gupta.

Indexed publications

- Jindal N, Gupta P, Gupta RK, Kumar A, Jindal A. Pucker sign in proximal humeral fractures: implications on management. Strategies Trauma Limb Reconstr. 2013 Jun 5. [Epub ahead of print]
- Sharma R, Gupta S, Saini N, Gupta RK: Hoffa's Disease In A Skeletal Immature Patient With Plica Syndrome

 A Rare Case Report. The Internet Journal of Orthopedic Surgery. 2012
 Volume 19 Number 2.
- 3. Gupta RK, Bither N, Singh H, Kapoor S, Chhabra A, Garg S. Repair of the torn distal biceps tendon by endobutton fixation. Indian J Orthop 2012; 46:71-6.
- Gupta R, Jindal A, Chhabra A, Gladson D. Bursa over K nail presenting as pseudo tumour in gluteal region. Journal of Clinical Orthopaedics and Trauma (JCOT) 2012; 3:130-32.
- Jindal N, Gupta P. Comment on Xu et al.: A retrospective study of posterior malleolus fractures. Int Orthop. 2013 May;37(5):993-4. 1785-9. Epub 2013 Jan 23
- 6. Jindal N, Gupta P. Sprengel's shoulder treated by the Woodward procedure:

- analysis of factors affecting functional and cosmetic outcome J Child Orthop. Epub 2013 July 12.
- Puri A, Gulia A, Pruthi M. "Results of surgical resection in pediatric pelvic tumors" in J Pediatr Orthop B. 2013 Jan;22(1):24-9

Non-indexed publications

- 1. Mittal RL, Gupta R, Bither N, Gladson D, Jindal A. A new low cost universal interlocking nail extractor (UNILEX System). Punjab Journal of Orthopaedics 2012; XIII (1):22-24.
- Warhold LG, Gupta RK. Endoscopic carpal tunnel decompression. Punjab Journal of Orthopaedics 2012; XIII (1):1-15
- 3. Gupta R. Hip fracture registry: the need of the hour. Punjab Journal of Orthopaedics 2012; XIII (1): Editorial.
- 4. Bither N, Gupta P, Jindal N. Monteggia variant: An unusual presentation. Hard Tissue 2013 Mar 09;2(2):18.

Publications in GMCH Journal

Gupta R, Jindal A. Treatment of finger tip injuries with 'V-Y' flap. Journal of Medical College Chandigarh 2012;1(2):35-6.

DEPARTMENT OF OTORHINOLARYNGOLOGY

Faculty

Arjun Dass Professor & Head MS, DNB, MAMS, DHM, FIMSA,

FICS, MA (Pub Admn)

Nitin M Nagarkar Professor MS, DNB

Deputation to AIIMS, Raipur

w.e.f. 05.08.12

Surinder K. Singhal Associate Professor DLO, MS, DNB, MNAMS,

FIMSA, FICS

Nitin Gupta Assistant Professor MS

Hitesh Verma Assistant Professor MS, DNB, MBA

Dr. Surinder K Singhal was awarded "Senior Consultant Award" for best paper presentation at Annual Conference of Association of Otorhinolaryngology (North-West Zone) held at Karnal on 26th September, 2012.

Dr. Surinder K Singhal was awarded "Dr. I.S. Gupta Senior Consultant Award" at Annual Conference of All India Rhinology Society in New Delhi on 16th November, 2012.

Dr. Nitin Gupta was awarded "Young ENT Surgeon Award" for best paper presentation at 5th North Zone, AOI Conference at SRMs, Bareilly held on 1st& 2nd December, 12

Conference attended & paper presentation

Dr. Arjun Dass

Attended

1. ENT Surgical Workshop - An Update (national) at PGIMER, Chandigarh on 2nd September, 2012 and chaired scientific sessions.

Dr. Surinder K Singhal

- 1. Rhinocon 2012 at New Delhi from 16th-18th December and presented paper on Endoscopic Excision of Ossifying cementofibroma. (National)
- 2. ENT Surgical Workshop An Update at PGIMER, Chandigarh on 2nd September, 2012 and presented a paper on Endoscopic Management of Inverted Papilloma. (National)
- 3. 26th NWZ AOICON & 18th AOICON HR on 27th-28th October, 202 held at Karnal and presented a paper on Endoscopic Management of fibro-Osseus Lesions. (Regional)

Services

Patient Care In ENT Department During Last Three Years

	2010	2011	2012
Total no. of patients attended ENT OPD	30,546	31,720	33,567
Total no. of patients admitted ENT Ward	1334	1493	1529
Total no. of patients operated in ENT OT	1183	1424	1462

Clinics Run By The Department Of ENT

Days	Clinic
Tuesday	Tumor Clinic
Wednesday	Otology Clinic
Thursday	Rhinology Clinic

- 1. Dr.Arjun Dass performed First Cochlear Implant Surgery in the department of ENT in 2012.
- 2. Dr. Surinder K. Singhal performed First Balloon Sinoplasty in the department of ENT in 2012.
- 3. Dr.S.K Singhal performed Transnasal Endoscopic Excision of Craniopharyngioma alongwith Dr.Arvind Malhotra, Deptt.of Neurosurgery, GMCH-32, Chandigarh
- 4. Dr.Surinder K Singhal participated in medical mission organized by Rotary International and operated patients suffering from ENT Diseases at Kigali, Rawanda from 22.04.12-03.05.12.

Training

Teaching & Training provided to the undergraduates as well as post graduates in the department of ENT. There is one seat of Post graduate student per year. Till June 2013, three students have passed out.

Research Completed

- 1. Dr.Arjun Dass, Mr.Ravi Kapoor"Hearing Screening of Neonatal Intensive Care Unit Graduates: A Control Study" sanctioned by Department of Science & Technology, Chandigarh
- 2. Developed indigenous Instrument for improving speech fluency with support & collaboration from CSIO, Sector 30, Chandigarh.

Research In Progress

Dr. Arjun Dass

- Billirubin Neurotoxicity: Role of P-glycoprotein Gene Polymorphism & Free Billirubin Level, headed by Dr.Deepak Chawla, Asstt.Prof. Department of Paediatrics, sanctioned an amount of Rs.44 lacs by Ministry of Science & echnology, Department of Bio Technology, New Delhi
- 2. Neurological Outcome after Moderate to Severe Hyperbilirubinemia in neonates headed by Dr.Deepak Chawla, Asstt.Prof., Department of Paediatrics, GMCH-32, Chandigarh by ICMR, New Delhi.

Dr. Surinder K Singhal

- 1. Psychological morbidity in fungal infections of nose and paranasal sinuses in collaboration with department of Psychiatry.
- 2. To study the role of Human Papilloma (HPV) by immunohistochemistry in tissue sections in cases of recurrence of Head and Neck Squamous Cell Carcinoma.
- 3. Comparative value of antifluoresence versus morphology and culture in the diagnosis of fungal infections of paranasal sinuses.

Departmental highlights

- 1. Since the inception of this medical college, the department of ENT, which was working in limited area is now fully developed as a super specialized centre for the diseases of Ear, Nose, Throat and Head & Neck Surgery.
- 2. Out Patient Department (OPD) is located in B block and there are 21 rooms consisting of reception area, examination rooms, speech & hearing rehabilitation unit, minor OT and temporal bone which are fully air conditioned.
- The fully air conditioned OT complex is located in C block and all the surgical procedures related to Otology, Rhinology and Head and Neck surgeries are performed regularly.

- 4. Equipments: The department is fully equipped with all the latest equipments in the OPD as well as in operation theatre which include Microscope, Endoscopes, Endovision Camera, Laser, Microdebridder, BERA, Otoacoustic Emission Analyser, Impedance Audiometer, Pure Tone Audiometer, Video Stroboscopes and Treatment Unit besides the basic instruments for ENT Surgery.
- 5. Post Graduate Course: The department of ENT has started PG course in year 2008 and three batches have already passed the examination.
 - Cochlear Implant Surgery: In a short span of time, the cochlear implant surgery was performed on a three year old child in March 2012 and the patient is doing very well. Now the department is performing this delicate surgical procedure regularly and no. of patients are waiting for their turn.
 - Endoscopic Sinus Surgeries: Endoscopic Sinus Surgeries are being performed regularly in the department. Not only the diseases related to nose and paranasal sinuses but certain diseases of orbit and intra-cranial lesions are also dealt with.
- 6. National Programme for Prevention and Control of Deafness: Ministry of Health and Family Welfare, Government of India, has started Pilot project in 2007 on National Programme for Prevention and Control of Deafness in 25 districts of 10 states and one Union Territory. Chandigarh is the only Union Territory selected for the said project. Department of ENT, GMCH-32, Chandigarh, was the centre for training of ENT surgeons, medical officers and other paramedical staff. All the patients having problems related to the ear specially hearing loss were screened at the primary health centers by ENT surgeons and further evaluated at Govt. Multi Speciality Hospital, Sector 16, Chandigarh. The patients requiring hearing aids were given hearing aid free of cost, as per the criteria. The patient requiring surgical procedures/ further treatment are referred to our institution.

Indexed Publication

Dr. Arjun Dass

Dass A, Verma Hitesh, Punia RPS.
 Nasopalatine duct cyst: a Rare Care Report. The Egyptian Association of Oral and Maxillofacial surgeons (Accepted)

Dr. Surinder K Singhal

1. Vallecular Cysts in Adult population:

- Ten year experience. Accepted in Napalese Journal of ENT Head & neck Surgery, Vol. 2, No. 2
- Sighal N., R Gunjan, Handa U, Punia RPS, Singhal SK Fine needle aspiration cytology : a useful technique for diagnosis of invasive fungal rhinosinusitis. Head and Neck Pathology. Published online 9th March, 2013.
- 3. R Rakesh, Singhal SK, Rajput S, H Swetha.

Simultaneous combind single stage removal of immature teratoma at anterior skull base : a case report. Clin Neurology & Neurosurgery. 114(10): 1379-81(2012).

Dr. Nitin Gupta

- Gupta Priyanka, Gupta Nitin, Patel Nirav, Gupta Ravi et al. Qualitative and quantitative evaluation of enamel after various post stripping polishing methods: an invitro study. Australian Journal of Orthodontics.2012;28:240-244.
- 2. Verma H, Gupta N, Chauhan N. Unusual foreign body of sino-orbital region a case repot. Clinical Rhinology.(accepted for publication)
- 3. Bhagat Sangeet, Varhney Saurabh, Bisht S., Gupta Nitin. Paediatric cervical sympathetic schwannoma, with Horner's syndrome a case report. Ear Nose throat Journal.(accepted for publication)

Publications in The Journal of Medical College, Chandigarh

1. Aggarwal Renu, Singh Manpreet,

Chapter(s) in Book(s)

Dr. Arjun Dass

25-27.

Contributed a chapter in textbook of:

 Ear, Nose & Throat by Lt Col BS Tuli entitled "Neurological Disorder of the Larynx" Page No. 301-306.

Kapoor Dheeraj, Srivastava Meghana, Dass

Arjun. Rare Foreign Body in airway - an

anesthetic challenge. Journal of Medical

College, Chandigarh. 2012, Vol. 2, No. 1, Pg

- Recent Management in Otorhinolary ngology (Diagnosis & Treatment) entitled "Hearing loss" by SPS Yadav, R K Ranga, Chapter No. 6, Pg. No. 69.
- Recent Advances in the Management of Idiopathic Sudden Sensorineural Hearing loss. Published in book released by AOI, Haryana Chapter, Nov.2009. Pg 104-107

Dr.S.K.Singhal

 Recent Management in Otorhinolaryngology (Diagnosis & Treatment). SPS Yadav & RK Ranga entitled, "Sinonasal Tumours" Page No. 245-26.

DEPARTMENT OF PAEDIATRICS

Faculty

Vishal Guglani	Associate Professor & Head	MD(Paediatrics)
Suksham Jain	Associate Professor	MD(Paediatrics),
		DM(Neonatology)
Deepak Chawla	Associate Professor	MD(Paediatrics),
		DM(Neonatology)
Chandrika Azad	Assistant Professor	MD(Paediatrics)
Geetanjali Jindal	Assistant Professor	MD(Paediatrics)
Kana Ram Jat	Assistant Professor	MD(Paediatrics)
Kamal Kumar Singhal	Assistant Professor	MD(Paediatrics)
Roosy Aulakh	Assistant Professor	MD(Paediatrics)
Vidushi Mahajan	Assistant Professor	DNB(Paediatrics)

Conferences Attended / Papers Presented

Dr. Vishal Guglani

- 1. Invited as Chairperson for CME on Sepsis organized by Indian Society of Critical Care Medicine, Chandigarh Branch in September, 2012.
- 2. Appointed as General Secretary of Indian Academy of Pediatrics, Chandigarh Branch for 2012-13.
- 3. Organized Annual Conference of IAP Chandigarh Branch in March 2013 as Organizing Secretary.

Short title of paper	Short name of conference	Level (National/
		International/Regional
Growth & Development in adolescents	Mentoring adolescent health	National
Growth & Development in adolescents	Conference on adolescents health (Deptt. of H& FW, Chd. Admn.	Regional

Dr. Suksham Jain

Paediatrics, MD (Paediatrics), DM (Neonatology) who was on Deputation to PGIMER, Chandigarh this year for doing DM in neonatology.

- 1. Presented a talk in National conference at PEDICON 2012 in Jan'12 on the topic"Secondary deterioration of neonates on ventilator"
- 2. Faculty in National level CME at PEDICON 2012; Topic "High Frequency ventilation in neonates"
- 3. Faculty in National level workshop at PGIMER Chandigarh; Topic 8th Single theme workshop on "Functional Echocardiography" in neonates.

Dr. Deepak Chawla

Papers presented in National/International Conferences

- Chawla D, Pathak U, Kaur S. Pre? Discharge Hour? Specific Bilirubin for Prediction of Significant Hyperbilirubinemia (SHB) in Term and Late Preterm Neonates. E-PAS2012: 1525.411 (Presented at Pediatric Annual Societies' 2012 Annual Meeting April 28-May 1, 2012, Boston, USA)
- Dhir S, Chawla D, Bhalla L, Guglani V. Seven Versus Five cm of Water as Initiating Level of ContinuousPositive Airway Pressure (CPAP) in Preterm Neonates with Respiratory Distress: ARandomized Controlled Trial. E-PAS2012: 4523.245 (Presented at Pediatric Annual Societies' 2012 Annual Meeting April 28-May 1, 2012, Boston, USA)

Dr. Chandrika Azad

Invited talks:

- 1. SIGNET workshop: "Framing research questions" (held during 7th -9th December 2012 at Chandigarh)
- 2. SIGNET workshop: "Critical Appraisal of observational studies" (held during 8th -10thMarch 2013 at Chandigarh)

Hands on training workshop on molecular biology and cytogenetic techniques:"Duchenne Muscular dystrophy

Dr. Geetanjali Jindal

New services introduced: Thalassemia Day Care Centre started at GMCH w.e.f 8th May 2012

Dr. Vidushi Mahajan

Papers presented in National/International Conferences

 MahajanVet al. Paper presented in National Conference of Indian Academy of Pediatrics, PEDICON 2013, Kolkata, India on "Death audit and socially modifiable factors from a tertiary care centre of North India"

Member Organizing Committee:

Name of the event /Dates Designation Level

Mentoring for promotion of Scientific committee Adoloscent health member& treasurer

Dr. Kana Ram Jat

Invited lectures in national/international conferences/CMEs:

XXIV national conference of IAP Respiratory chapter on October 26th-28th, 2012 at Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh.

As delegate in seminar/conference:

- 1. Singapore Indian Group Networking for Empowerment Training (SIGNET) Workshop on "Effective Systems Change". 23rd to 24th March 2013 at Chandigarh.
- 2. PGI-ICMR Training Program on Clinical Trial Methodology (as per GCP Guidelines) at PGIMER, Chandigarh from 15th-17th February 2013.
- 3. Short course on "How to practice evidence based child health" by ICMR Advanced Centre for Evidence Based Child Health, PGIMER, Chandigarh from 12th-14th October 2012.
- 4. Workshop on "Recent advances in Prenatal & Neonatal screening". Govt. Medical College Hospital, Chandigarh. 11th May 2012.
- 5. Pediatric Advance Life Support (PALS) course. Monitoring for instructor. Dayanand Medical College (DMC) Ludhiana, 7th-8th April 2012, course director-Dr Daljeet Singh.
- 6. Workshop on ICD 10 coding. Govt. Medical College Hospital, Chandigarh. 16th March 2012.

Delivering talk in local, state level, regional level conference/CMEs:

- 1. Pediatric Advance Life Support (PALS) course for Nurses, 22nd December 2012, at Satguru Partap Singh (SPS) Apollo Hospital Ludhiana, Punjab, India.
- 2. Workshop on protocol development and review completion. On 26th October 2012 at Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh.
- 3. Symposium on "Gender preference and some Reproductive Health Challenges", 29 September 2012 at Govt. Medical College Hospital, Sector-32, Chandigarh.
- 4. Workshop on "Biostatistical aspects of randomized clinical trials (RCT) and medical ethics", 21-23 September 2012 at Govt. Medical College Hospital, Sector-32, Chandigarh.
- 5. Pediatric Advance Life Support (PALS) course, 24-25th August 2012, at Satguru Partap Singh (SPS) Apollo Hospital Ludhiana, Punjab, India.

- 6. Pediatric Advance Life Support (PALS) course, 18-19th August 2012, at Barmer, Rajasthan, India.
- 7. CME-cum-Workshop. "Evidence based Management of common respiratory disorders in Children".18-19 Feb 2012, at Postgraduate Institute of Medical Education and Research, Chandigarh, India.

Dr. Kamal Kumar Singhal

Invited lectures in national/international conferences/CMEs:

- XXIV national conference of IAP Respiratory chapter on October 26th-28th, 2012 at Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh. Topic "Vitamin D in Pediatric respiratory disorders"
- 2. Indian Academy of Pediatrics, Chandigarh CME. Topic "Respiratory noises beyond Asthma and bronchiolitis"

Papers presented in conference:

1. Poster presentation at the 14th National Conference of the National College of Chest Physicians and Indian Chest Society. 17th-20th November, Bhubneshwar, Odhisha. Topic "Celiac Disease: Masquerading as Idiopathic Pulmonary Hemosiderosis"

As delegate in seminar/conference:

- 1. 14th National Conference of the National College of Chest Physicians and Indian Chest Society. 17th-20th November, Bhubaneswar, Odhisha.
- 2. XXIV national conference of IAP Respiratory chapter on October 26th-28th, 2012 at Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh.
- 3. Workshop on "Juvenile Justice System" organised by the Institute for Police officers and other officers/NGO's of Chandigarh Administration on the 26th July, 2012.
- Workshop on "Randomized response techniques for sensitive surveys" conducted by the Department of Community Medicine, at Government Medical College, Chandigarh on 20th October, 2012.
- 5. Workshop on ICD 10 coding. Govt. Medical College Hospital, Chandigarh. 16th March 2012.

Delivering talk in local, state level, regional level conference/CMEs:

1. XXIV national conference of IAP Respiratory chapter on October 26th-28th, 2012 at Post Graduate Institute of Medical Education & Research (PGIMER), Chandigarh.

2. Indian Academy of Pediatrics, Chandigarh CME. Topic "Respiratory noises beyond Asthma and bronchiolitis"

Dr. Roosy Aulakh Invited Lectures:

Short title of paper	Short name of conference	Level (National/ International/Regional	Date
Autism Early warning signs	Indian Academy of Pediatrics Chandigarh Annual CME	Regional	7/10/2012
Understanding Cerebral Palsy-Batch 1	Sarv Siksha Abhiyan	Local	8/10/2012
Managing Cerebral Palsy in regular class set up-Batch 1	Sarv Siksha Abhiyan	Local	8/10/2012
Disabilities & PWD Act	Sarv Siksha Abhiyan	Local	1/10/2012
Understanding Autism	Sarv Siksha Abhiyan	Local	10/10/2012
Dealing with autistic children in regular class set up	Sarv Siksha Abhiyan	Local	10/10/2012
Understanding Cerebral Palsy - Batch 2	Sarv Siksha Abhiyan	Local	11/10/2012
Managing Cerebral Palsy in regular class set up-Batch 2	Sarv Siksha Abhiyan	Local	11/10/2012
How to appraise RCT	ICMR EBM Workshop advanced course	Regional	14/06/2013
How to appraise diagnostic tests	ICMR EBM Workshop advanced course	Regional	15/6/2013

CMEs/Events organized:

Name of the event /Dates	Designation	Level
IAP Chandigarh Annual CME-31/3/2013	Executive Member	Regional
IAP Chandigarh Quarterly CME (Total 4)	Executive Member	CME
IAP Post Graduate Quiz-2012	Quiz organizer & Quiz master	Local
IAP Undergraduate Quiz-2013	Quiz organizer & Quiz master	Local

Conferences attended as delegates:

Conference/Workshop/CME

Neurology Office Practice

Common Respiratory Disorders

EBM Workshop 1CD 10 Coding

ICMR Evidence Based MedicineWorkshop short course in PGIMER - 28 th July 2012 to 31 st July 2012

ICMR EBM Workshop advanced course in PGIMER 14th June 2013 $\,$ to 16 $^{\rm st}$ June 2013

EEG and epilepsy workshop conducted by Indian Epilepsy Society-11-12 th Aug 2012

Venue

PGIMER, Chandigarh

PGIMER, Chandigarh PGIMER, Chandigarh

GMCH -32, Chandigarh

PGIMER, Chandigarh

PGIMER, Chandigarh

GB Pant Hospital, New Delhi

Membership of International Societies:

- United Mitochondrial Disease Foundation
- 2. International Child Neurology Association

Services Provided By The Pediatrics Department (Report For The Year 2011 - 2012)

Services	No. of Patients	
	2011	2012
New Emergency registration	7021	8287
Pediatric Emergency Admission	3337	4107
Revisit OPD	23326	25301
New OPD Registration	4632	4965
Revisit Emergency Registration	4137	4290
Bed Occupancy in Pediatric ward	92.4%	95.3%

INBORN SERVICES

Services	No.	No. of Patients	
	2011	2012	
Total LB	4577	5629	
LBW	1617	2042	
Preterm	1018	1523	
Referrals	3	3	
NICU admission	306	328	
Deaths	100	92	

PICUADMISSION

Services	No. of Patients	
	2011	2012
PICU admission	189	206

Other than the general OPDs, we have speciality clinics also. Presently, the department is running the following special clinics:

- 1. Pediatric Nephrology
- 2. TB Clinic
- 3. Cardiology Clinic
- 4. Hematology Clinic
- 5. Rheumatology and Immunology Clinic
- 6. Endocrinology Clinic
- 7. Adolescent Health Clinic
- 8. Pulmonology Clinic
- 9. Gastroenterology Clinic
- 10. Neurology and Neurocysticercosis Clinic

The Department has Pediatric Pulmonology lab which is well equipped with spirometer and bronchoscopy. In fact, we are the only pulmonology unit in the Chandigarh region which can do pediatric bronchoscopy even in newborn babies, as on date. The data for pediatrics bronchoscopy and pediatric Spirometry is as follows:

Services	No. of Patients
Pediatric Bronchoscopy (started on 07.03.13)	39 (till 22.07.13)
Pediatric Spirometry (started in May, 2012)	132 (till 22.07.13)

The Department has Thallasemia Day Care Center with 6 beds and it caters to 4-5 patients per day. The total number of thallasemics registered in Hematology Clinic is 69.

Neonatologist Services

Special clinic patient: Follow up clinic for high risk neonates (20 patients/month)

Services	2011-12	2012-13
Patients followed for 1 year follow up:	20	25
ЕСНО	30	45
Inhaled Nitrous oxide	2	4
USG	50	65

Training

Dr. Suksham Jain: MD Pediatrics, Completed DM Neonatology

Research completed during the year

Dr. Vishal Guglani

	Title of Project	Name of the funding Agency
1.	Death audit from urban tertiary-care hospital of India: Reasons, implications and the road ahead, (As CI)	Deptt. of Science & Technology, Chandigarh
2.	A comparative study of efficacy of breath actuated autohaler and pressurized metered-dose inhaler with spacer in children with moderate to severe persistent asthma, (As CI)	Deptt. of Science & Technology, Chandigarh
3.	Neurological outcome after moderate-to- severe hyperbulirubinemia in neonates , (As CI)	ICMR, New Delhi

Dr. Suksham Jain

Research completed:

1 ICMR project (Co-investigator)

"Evaluation of transcutaneous bilirubinometry in preterm low birth weight neonates"

2. Non-funded

Feeding in neonates with REDF Neonatal Hypothermia in community set up.

Dr. Deepak Chawla

ICMR project

Name of project Status

Evaluation of transcutaneous bilirubinometry in Completed

pre -term very low birth weight neonates

ICMR and DBT projects.

Name of project

Neurological outcome of moderate and severe

On -going hype rbilirubinemia among term and late preterm neonates

Bilirubin Neurotoxicity: Role of P -glycoprotein

On -going

Dr. Chandrika Azad Research in Progress:

Gene Polymorphism and Free Bilirubin Level

Title of Project	Name of the funding Agency
Prevalence Of Vitamin B12 Deficiency in Hospitalized Infants and It Correlation With Developmental Delay, (As PI)	DST, Chandigarh
Neurological outcome after moderate to severe hyperbilirubinemia in neonates, (As CI)	ICMR
Bilirubin neurotoxicity: Role of glycoprotein gene polymorphism and free bilirubin level, (As CI)	DBT

Dr. Vidushi Mahajan

Research completed during the year (Funded):

Title of Project

Clinical Predictors of hospital admission in children with Acute lower respiratory tract infection, (As PI)

Infant and young child feeding and other correlates of anthropometric failures, (As CI)

Research in progress (funded):

Title of Project

Death Audit from urban Tertiary care centre of North India, (As PI)

Name of the funding
Agency
Deptt of Science &
Technology (DST),
Chandigarh Administration

Deptt of Science & Technology (DST), Chandigarh Administrarion

Name of the funding Agency

Deptt of Science &
Technology, Chandigarh
Administrarion

Research in progress (non funded- applied for funding):

Title of Project

Name of the funding
Agency Applied to

Pilot study on Access and Deptt of Science & acceptability of digital technology Technology, amongst caregivers visiting urban Chandigarh
Tertiary care centre of India, (As PI) Administrarion

Dr. Kana Ram Jat

Research in progress

Title of study: A comparative study of efficacy of breath actuated autohaler and pressurized metered-dose inhaler with spacer in children with moderate to severe persistent asthma. Funding agency: Department of Science & Technology, Chandigarh Administration

Dr. Kamal Kumar Singhal

Research in progress

Title of study: A comparative study of efficacy of breath actuated autohaler and pressurized metered-dose inhaler with spacer in children with moderate to severe persistent asthma. Funding agency: Department of Science & Technology, Chandigarh Administration

Dr. Roosy Aulakh

Projects applied but under review by ICMR and DST.

Indexed Publications

- Umeshpathak, Deepakchawla, Saranjit kaur, Suksham Jain. Bilirubin Nomogram for Prediction of Significant Hyperbilirubinemia in North Indian Neonates. Indian Pediatr; 2013 (50): 383-9
- 2. Shikha Rani, Deepak Chawla, *Anju Huria and*Suksham Jain. Risk factors for Perinatal Mortality Due to Asphyxia Among Emergency Obstetric Referrals in a Tertiary Hospital. Indian Pediatr; 2012 (49): 191-94.
- Deepak Chawla ,Suksham Jain, Shashikant Dhir , Shikha Rani. Risk Assessment Strategy for Prediction of Pathological Hyperbilirubinemia in Neonates. Indian J Pediatr; 2012: 79 :198-201.
- Goswami G, Upadhyay A, Gupta NK, Chaudhry R, Chawla D, Sreenivas V. Comparison of Analgesic Effect of Direct Breast Feeding, Oral 25% Dextrose Solution and Placebo during 1st DPT Vaccination in Healthy Term Infants: A Randomized, Placebo Controlled Trial. Indian Pediatr. 2012 Dec 5. doi:pii: S097475591200052.

- [Epubahead of print] PubMed PMID: 23502661.
- 5. Pathak G, Upadhyay A, Pathak U, Chawla D, Goel SP. Phenobarbitone and Phenytoin for Treatment of Neonatal Seizures: Open-label Randomized Controlled Trial. Indian Pediatr. 2012 Dec 5. doi:pii: SO97475591200051. [Epub ahead of print] PubMed PMID: 23502660.
- 6. Pathak U, Chawla D, Kaur S, Jain S. Bilirubin nomogram for prediction of significant hyperbilirubinemia in north Indian neonates. Indian Pediatr. 2013 Apr;50(4):383-9. Epub 2012 Oct 5. PubMed PMID: 23255694.
- 7. Upadhyay A, Gothwal S, Parihar R, Garg A, Gupta A, Chawla D, Gulati IK. Effect of umbilical cord milking in term and near term infants: randomized control trial. Am J Obstet Gynecol. 2013 Feb;208(2):120.e1-6. doi:10.1016/j.ajog.2012.10.884. Epub 2012 Oct 31. PubMed PMID: 23123382.
- 8. Chawla D. Patent ductus arteriosuslooking for the right approach of management. Indian Pediatr. 2012

- Aug;49(8):611-2. PubMed PMID: 22962235.
- 9. Thukral A, Sasi A, Chawla D, Datta P, Wahid S, Rao S, Kannan V, Veeragandam A, Murki S, Deorari AK. Online Neonatal Training and Orientation Programme in India (ONTOP-IN)—the way forward for distance education in developing countries. J Trop Pediatr. 2012 Dec; 58(6):486-90. doi: 10.1093/tropej/fms029. Epub 2012 Jul PubMed PMID: 22791087.
- Rani S, Chawla D, Huria A, Jain S. Risk factors for perinatal mortality due to asphyxia among emergency obstetric referrals in a tertiary hospital. Indian Pediatr. 2012 Mar;49(3):191-4. Epub 2011 May 30. PubMed PMID: 21719929.
- 11. Chawla D, Jain S, Dhir S, Rani S. Risk assessment strategy for prediction of pathological hyperbilirubinemia in neonates. Indian J Pediatr. 2012 Feb;79(2):198-201. doi: 10.1007/s 12098-011-0409-x. Epub 2011 May 4. PubMed PMID: 21541649.
- 12. Chawla D, Agarwal R, Deorari A, Paul VK, Chandra P, Azad RV. Retinopathy of prematurity. Indian J Pediatr. 2012 Apr;79(4):501-9. doi: 10.1007/s12098-010-0279-7. Epub 2010 Oct 27. Review. PubMed PMID: 20978871.
- 13. Azad C, Guglani V.Eyelid myoclonia with absence seizure precipitated by

- carbamazepine therapy.Indian Pediatr. 2012 Oct;49(10):840-1.
- Azad C, Mahajan V, Jat KR. Locked-in Syndrome as a Presentation of Snakebite. Indian Pediatr. 2013;50(7): 695-7.
- 15. Azad C, Jat KR, Aggarwal P.Bronchial asthma with ABPA presenting as cor pulmonale and pulmonary thromboembolism.Indian J Crit Care Med. Manuscript no. : IJCCM_130_11.(accepted for publication)
- Bansal D, Azad C, Kaur M, Rudroju N, Vepa P, Guglani V.Adverse effects of antiepileptic drugs in north Indian pediatric outpatients. Clin Neuropharmacol. 2013 Jul-Aug; 36(4):107-13
- 17. S.Malhotra, G. Kaur, S.basu, R.Kaur, Geetanjali Jindal. Alloimmunization to Kell blood group system antigen owing to unmatched blood transfusion in a resource poor setting. Immunohemtology 2012,28(2): 45-48.
- 18. Vidushi Mahajan, Rohit Tewari, Ranjana W. Minz, Geetanjali Jindal,Sanjay D'Cruz. Dense Deposit Disease: A Rare Cause of Steroid Resistant Nephrotic Syndrome.The Indian Journal of Pediatrics, June 2013
- 20. Mahajan V, Tewari R, Minz RW, Jindal G, D'Cruz S.Dense Deposit Disease: A Rare Cause of Steroid Resistant Nephrotic Syndrome. Indian J Pediatr.2013 Jun 20. [Epub ahead of

- print] No abstract available.
- Mahajan V, Jat K, Kochhar S, D'Cruz S. Decade long unexplained anemia: alert to ANCA asso ciated vasculitis. Indian Pediatr. 2013 Feb;50(2):239-42.
- 22. Mahajan V, Saini SS. Predictors of failure of non-invasive positive pressure ventilation in infants with respiratory failure. Pediatr Pulmonol. 2013 Jul; 48(7):734. doi: 10.1002/ppul.22691. Epub 2012 Nov 5.
- 23. Sajan Saini S, Mahajan V. High-dose Ibuprofen therapy for patent ductus arteriosus in extremely preterm neonates: do we have a final answer? Clin Pharmacol Ther. 2012 Nov;92(5):557; author reply 558. doi: 10.1038/clpt.2012.150. Epub 2012 Sep 12.
- 24. Jat KR. Spirometry in children. Prim Care Respir J 2013; 22(2): 221-229.
- 25. Jat KR, Khairwa A. Levalbuterol versus albuterol for acute asthma: A systematic review and meta-analysis. Pulm Pharmacol Ther. 2013; 26:239-248.
- 26. Jat KR, Chawla D. Ketamine for management of acute exacerbations of asthma in children. Cochrane Database of Systematic Reviews 2012, Issue 11. Art. No.: CD009293. DOI: 10.1002/14651858.CD009293.pub2.
- Jat KR, Chawla D. Surfactant therapy for bronchiolitis in critically ill infants. Cochrane Database of Systematic Reviews 2012, Issue 9. Art. No.:

- CD009194. DOI: 10.1002/14651858. CD009194.pub2.
- 28. Jat KR, Walia DK, Khairwa A. Anti-IgE therapy for allergic bronchopulmonary aspergillosis in people with cystic fibrosis. Cochrane Database of Systematic Reviews 2012, Issue 12. Art. No.: CD010288. DOI: 10.1002/14651858. CD010288. (Protocol).
- Jat KR, Khairwa A. Deflazacort in comparison to other steroids for nephrotic syndrome: A systematic review. Indian J Nephrol 2012; 22:239-45.
- Jat KR, Guglani V, Khairwa A. Severe and complicated Plasmodium vivax malaria in children. Trop Doct 2012;42:185-187.
- 31. Jat KR, Azad C, Guglani V. Use of Ketamine for refractory wheezing in an infant. Indian Pediatr 2012; 49(7):587-8.
- Mantan M, Singhal KK, Sethi GR, Aggarwal SK. Megacystis, microcolon, intestinal hypoperistalsis syndrome and bilateral streak gonads. Indian J Nephrol. 2011;21(3):212-4.
- 33. Sethi GR, Singhal KK, Puri AS, Mantan M. Benefit of gluten-free diet in idiopathic pulmonary hemosiderosis in association with celiac disease. Pediatr Pulmonol. 2010 Oct 21; 3. Mantan M, Singhal KK, Sethi GR. Acute lymphoblastic leukemia: an unusual

- cause of nephromegaly in infancy. Indian J Pediatr. 2010 May;77(5):583.
- 34. Sethi GR, Singhal KK. Pulmonary diseases and corticosteroids.Indian J Pediatr. 2008 Oct;75(10):1045-56.
- 35. Singhal KK, Janmeja AK, Sodhi R, Punia RS. Hemoptysis in patients of celiac disease with disproportionately severe anemia: tip of the iceberg? Multidiscip Respir Med. 2013;8(1):25.
- 36. Singhal KK. Idiopathic pulmonary hemosiderosis presenting as a rare cause of iron deficiency anemia in a toddler--a diagnostic challenge. J La State Med Soc Off Organ La State Med Soc. 2013 Feb;165(1):56.
- 37. Singhal KK, Joshi R, Kapdi M. Re: case report "Idiopathic pulmonary haemosiderosis: A rare cause of anaemia". Sri Lanka Journal of Child Health. 2013; 42(2):107.

Non-indexed Publications

Jain Suksham, Singla Manju, Chawla Deepak. Factors For Cessations Of Exclusive Breast Feeding At End Of 6 Weeks In Healthy Term And Late Preterm Neonates Born in A Hospital Set Up In North India. National J Commun Med; 2012(3):274-.9

Publications in Journal of Medical College, Chandigarh

- 1. Singh S, Azad C. Dengue fever: clinical picture and management guidelines. JMCC 2012, 2 (2): 1-5.
- 2. Jat KR. Deflazacort versus Prednisolone for bronchial asthma: A systematic review. Journal of Medical College Chandigarh 2012; 2(2):28-31.
- 3. Jat KR, Azad A. Subcutaneous emphysema in bronchial asthma: misdiagnosed as a drug reaction. J Medical College Chandigarh 2012;2(1): 34-36.
- 4. Jat KR. Cough in children.J Medical College Chandigarh 2011;1(2): 39-47.

DEPARTMENT OF PATHOLOGY

Faculty

Harsh Mohan	Professor & Head	MBBS, MD	
Uma Handa	Professor	MBBS, MD	
R.P.S. Punia	Professor	MBBS, MD	
Anita Tahlan (On study leave)	Associate Professor	MBBS, MD, DNB	
Anshu Palta	Assistant Professor	MBBS, MD	
Niti Singhal (Resigned on 12.3.2013)	Assistant Professor	MBBS, MD	

Dr. Harsh Mohan

- 1. Conferred Haryana Vigyan Ratna Award for outstanding contribution in the field of Medical Sciences by the Department of Science and Technology, Govt. of Haryana for the year 2010-2011 on 08.05.2012.
- 2. Elected as Treasurer of Indian College of Pathologists for 3 years (2013-2015).
- 3. Chaired session on "Advances in myeloma" at Golden Jubilee Hematology CME and Meeting of NW Chapter of Indian Society of Haematology & Transfusion Medicine at PGI, Chandigarh
- 4. Delivered a talk as invited guest faculty on "Diagnostic value of cytohistiologic specimens obtained by bronchoscopy" at the CME in Pathology held at Maulana Azad Medical College, Delhi.
- 5. Guest faculty at CME-2013 up State chapter and delivered lectures on "Biomedical writing-the art and science", Vulval cancer and precancerous lesions" and gave a slide seminar on Potpourri of problem cases" held at Rohilkhand Medical College, Bareilly (UP).

Dr. Uma Handa

1. Chaired session on 'FNAC Slide Seminar' at CME on recent advances in cytology& gynaecological Pathology at PGI, Chandigarh.

Services:

Clinical Services	Year - 2011	Year -2012		
No. of specimens for Surgical pathology (Histopathology)	8517	8552		
No. of specimens for Cytology	7427	7816		
No. of specimens for Post Mortems	218	302		
No. of specimens for Hematology	735260	992318		

Training

1. MD students on 31 March 2013

1st year (2012 Batch)	06
2nd year (2011 Batch)	05
3rd year (2010 Batch)	06

2. MBBS students on 31 March 2013

2nd Professional 50 students per year

3. B.Sc. students on 31 March 2013

1st year (2012 Batch)	10
2nd year (2011 Batch)	12
3rd year (2010 Batch)	11

Indexed Publications

- Mohan H, Bisht B, Goel P, Garg G; Vulvul elephantiasis; a case report.
 Infect Dis. 2012, Epub 2012
- 2. Handa U, Khurana U, Singhal N, Punia RP, Mohan H. Cytologic diagnosis of intravascular papillary endothelial hyperplasia: a report of two cases and review of cytologic literature.
- 3. Khurana U, Raghubanshi G, Handa U, Chander J. "Fruiting bodies" of Aspergillus flavus: a rare finding in histopathology. Int J Surg Pathol 2012;20(I): 60-I.
- 4.. Punia RPS, Mundi I, Mohan H, Chavli KH, Harish D. Tuberculosis prevalence at autopsy: a study from North India. Trop Doct. 2012; 42(1); 46-7.
- Goyal S, Mohan H, Handa U, Saini V; Rinse fluid and imprint smear cytology of bronchial biopsies in diagnosis of lung tumors.; Diagn Cytopathol 2012; 40(2): 98-103.
- 6. Mundi I, Singhal B, Punia RP, Dalal U, Mohan H; Inflammatory pseudotumor of the spleen: a rare case diagnosed on FNAC.; Diagn Cytopathol. 2012, 40(12):1104-6.
- Kundu R, Handa U, Mohan H; Role of DNA flow cytometry and immunocyto chemical analysis in diagnosis of malignant effusions; Diagn Cytopathol 2012 Oct; 40(10); 887-92.

- 8. Singhal N, Mundi IK, Handa U, Punia RP, Mohan H; FNA in diagnosis of orbital lesions causing proptosis in adults; Diagn Cytopathol 2012, Oct; 40(10): 861-4.
- Palta A, Dhiman P, Ram J; Excess of plasma cells with Pseudo-Gaucher cells in a case of Tuberculosis-A case report.; SARRC J of Tuberculosis, lung diseases and HIV/AIDS 2012:IX(2)30-32
- 10. Palta A, Dhiman P, D. Cruz S; ZBTB16-RAR? variant of acute promyelocytic leukemia with tuberculosis: a case report and review of literature. Korean J Hematol 2012;47:229-32.

Books:

- Mohan H. Textbook of Pathology.6th edition. Jaypee Brothers Medical Publishers Pvt. Ltd. New Delhi. 2010.
- Mohan H. Quick Review of Pathology & MCQs. 6th edition. Jaypee Brothers Medical Publishers (P)Ltd. New Delhi. 2010
- Mohan H. Essential Pathology for Dental Students.4th edition. Jaypee Brothers Medical Publishers (P)Ltd. New Delhi. 2012.
- Mohan H. Pathology Practical Book.3rd edition.Jaypee Brothers Medical Publishers (P).Ltd. New Delhi. 2013.
- Mohan H. Mini Atlas of Pathology.1st Edition.Jaypee Brothers Medical Publishers (P).Ltd. New Delhi. 2007.

DEPARTMENT OF PHARMACOLOGY

Faculty

C S Gautam	Professor & Head	Ph.D (Med. Pharma), L.L.B
Rajiv Kumar	Associate Professor	MD
Sangeeta Bhanwra	Assistant Professor	MD
Jagjit Singh	Assistant Professor	MD

Prof. C S Gautam

- 1. Award of Honour in Promoting External Research in Punjab State on March 12, 2013conducted by Baba Farid University, Faridkot.
- 2. Award of Honour in 16th Punjab Science Congress from 7-9, 2013 (under the aegis of Punjab Academy of Science), Patiala conducted by Baba Farid University, Punjab.
- 3. Award of Guest Speaker 16th Punjab Science Congress from 7-9, 2013 (under the aegis of Punjab Academy of Science), Patiala conducted by Baba Farid University, Punjab.
- 4. FIMSA
- 5. FABMS
- 6. LLB

Chairing of Session in National/International Conference etc.

33rd Annual Conference of Indian Association of Biomedical Science in International Symposium on "Recent Trends and Advances.... An integrated Approach" by Nitte University, Mangalore Karnataka on Nov. 1-3, 2012

Papers presented in National / International Conference

33rd Annual Conference of Indian Association of Biomedical Science in International Symposium on "Recent Trends and Advances.... An integrated Approach" by Nitte University, Mangalore Karnataka on Nov. 1-3, 2012

Conference/Workshop attended:

- 1. Two days workshop at RHSTC, Mohali by Central Bureau of Health Intelligence, Directorate General of Health Sciences, New Delhi on 24-25 May, 2012
- 2. Mentoring for Promotion of Adolescent Health at GMCH, Sector 32, Chandigarh on September 07, 2012.

- 3. ICMR, New Delhi in Collaboration with Department of Community Medicine at GMCH, Sector 23, Chandigarh on Sept. 21-23, 2012
- 4. Gender Preference and some reproductive Health Challenges at GMCH-32, Chandigarh on Sept. 29, 2012
- 5. ICMR, New Delhi in Collaboration with Department of Community Medicine at GMCH 32, Chandigarh on October 20, 2012
- International Symposium on "One Health: Way forward to challenges in Food Safety and Zoonoses in 21st Century" & XIth Annual Conference of IAVPHS on 13-14 December 2012 at School of Public Health and Zoonoses, Silver Jubilee Block Auditorium, GADVASU, Ludhiana.
- 7. UGC Networking Resource Centre, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh from 28th Jan 9 Feb. 2013.
- 8. DBT Sponsored One day Seminar organised by Department of Chemistry, GGDSD College, Chandigarh on 30, 2013.
- 9. 16th Panjab Science Congress Auditorium (GGS Medical College) Faridkot on 7-9 Feb. 2013
- 10. 1st Research Methodology Course 1st to 4th April 2013 at Baba Farid University of Health Sciences, Faridkot.
- 11. Rayat Bahra College of Law, Sahauran Mohali Campus on 17.04.2013

Membership of Societies

Life Member of many Professional Associations/ Societies:

Delivering an invited talks/lectures

Prof. CS Gautam

- 1. "Legal Issues on Gender Equity"
- 2. Medical Negligence
- 3. Legal issues in Clinical Drug Trials
- 4. Clinical Drug Trials: Current Scenario in India
- 5. Herb Drug Interaction: How safe they are?
- \6. Informed consent in clinical trials\
- 7. Legal & Ethicals aspects of Research in India
- 8. Legal issues in clinical Drug trials.
- 9. Lacunas in Research & Development in Health Sciences.
- 10. AIDS Awareness and Substance Abuse

Research in Progress

As Co-investigator:

Title of Study: "Geographic variation in the clinical manifestation, treatment and outcomes of P.vivax malaria in three Indian States".

Departmental Highlights

- 1. Started qualitative test for steroid
- 2. Started the College Journal JMCC

Dr. Rajiv Kumar

Paper presented in National conferences

- 1. Paper entitled "The Emerging Therapy with Probiotics in the Management of Inflammatory Bowel Disease Current Status", Presented in the 12th Annual Conference of Pharmacovigilance of India (SOPICON) held at NIMS University, Jaipur on 23-25th Nov, 2012.
- Paper entitled "The Old Concept With A New Attitude: Synbiotics Current Status",
 Presented in the South East Asia Regional Public Health Conference & 57th All India
 Conference of IPHA, held at Science City Kolkata on 1st -3rd Feb 2013, and abstract
 published in souvenir of IPHACON 2013.

Member of International societies.

- 1. Fellow member of International Medical Science Academy (FIMSA) from 2009.
- 2. Member of many Professional Associations/ Societies

National conferences/Workshop attended.

- 1. Attended "12th Annual Conference of Pharmacovigilance of India (SOPICON)" held at NIMS University, Jaipur on 23-25th Nov 2012.
- 2. Attended "South East Asia Regional Public Health Conference & 57th All India Conference of IPHA", held at Science City Kolkata on 1st 3rd Feb 2013.
- 3. Attended "MCI Basic Course Workshop in Medical Education Technologies" held during 28th Feb-2nd March 2013, by the Regional Centre CMC, Ludhiana.
- 4. As Resource Faculty in Symposium on "Mentoring for Promotion of Adolscent Health" conducted by Dept of Community Medicine, GMCH Chandigarh in collaboration with

- ICMR, SERB & DST Government of India, on Sept 7, 2012.
- 5. As Resource Faculty in the Workshop on "Randomized Response Techniques for Senstive Surveys", conducted by Dept of Community Medicine, GMCH Chandigarh with ICMR and IPHA Chandigarh State Branch on Oct 20, 2012.

Dr. Sangeeta Bhanwra

Member of Societies:

- 1. Member of National Academy of Medical Sciences (MAMS)
- 2. Fellow member of International Medical Science Academy (FIMSA)
- 3. Member of many Professional Associations/ Societies:

CME & Workshop's Attended

- 1. MEU Coordinator's Workshop in Medical Education Technologies; 28th March, 2012 at CMC, Ludhiana
- 2. Basic Course Workshop in Medical Education Technologies; 29-31st March, 2012 at CMC, Ludhiana.
- 3. 31st Annual National Workshop on Clinical Pharmacology & Therapeutics (NWCPT-2013) March 11th to 15th 2013, at PGIMER, Chandigarh.
- 4. Resource facultyin workshop on Randomized Response Techniques for Sensitive Surveys on October 20, 2012 at GMCH, Chandigarh

Dr. Jagjit Singh

Membership of Societies:

Member of many Professional Associations/ Societies

Papers presented in National Conferences

 "Adverse effect profile of Clebopride- A prokinetic agent recently approved in India" at 12th Annual Conference of the Society of Pharmacovigilance, India (SOPICON), 23-25th Nov. 2012, Jaipur

Conference/Workshop attended

- "Idea to Manuscript- Outcomes Research" Workshop under ICMR Programme for Development of Clinical Pharmacology in India, 30th March -1st April, 2012 NIRRH, Mumbai.
- 2. 12th Annual Conference of the Society of Pharmacovigilance, India (SOPICON), 23-25th Nov. 2012, Jaipur.

- 3. Workshop on Biostastical aspects of Randomized Clinical Trials and Medical Ethics ,21-23rd Sept. 2012, GMCH, Chandigarh.
- 4. Basic Training Course In Medical Education Technologies: Medical Council of India.28th Feb-2nd March 2013, CMC, Ludhiana.
- 5. Workshop on "Effecting Systems Change" SIGNET, 23rd -24th March 2013, Chandigarh.

Delivered invited talk

- 1. "Introduction to Systematic Reviews" at the Workshop on Principles and Practice of Evidence-Based Healthcare, 7-9th Dec 2012, GMCH, Chandigarh
- 2. "Understanding systematic reviews" at the Workshop on Evidence-Based Decision—making, 8-10th March 2013, GMCH, Chandigarh

Research in progress

As Principal Investigator: Title of study: "Geographic variation in the clinical manifestations, treatment and outcomes of P.vivax malaria in three Indian states".

Funding agency: Project under consideration by ICMR for funding.

Training

MBBS students as on 31 March, 2013 2nd Professional: 50 students per year

Indexed publications

- CS Gautam: Article on "Self Medication" published in Jr Endocrinology & Metabolism.
- 2. CS Gautam: "Clinical Trials in Humanbeings" published in Jaypee Medicine Education & Research.
- 3. Rajiv Kumar, Jagjit Singh: Abstracts of the paper entitled "The Emerging Therapy with Probiotics in the Management of Inflammatory Bowel Disease—Current Status", Published in the J Pharmacovigilance Drug Safety 2012; 9 (4): 51
- 4. Sangeeta Bhanwra. A study of non-

- prescription usage of antibiotics in the upper respiratory tract infections in the urban population. J Pharmacol Pharmacother 2013;4(1):62-4.
- Sangeeta Bhanwra, Kaza Ahluwalia, Kavita Sekhri. Revacept: Collagen GP VI receptor inhibitor, a new & a formidable target for antiplatelet action. Int J Basic & Clinical Pharmacology. 2013; 2(3): 344-6.
- Kavita Sekhri, Sangeeta Bhanwra, Ruchika Nandha. Herbal Products: a survey of students' perception and knowledge about their medicinal use. Int J Basic & Clinical Pharmacology 2013;2(1):71-6.

- Kaza Ahluwalia, Sangeeta bhanwra.To study the clinical uses and associated risks of type 1 Protease Activated Receptor Antagonists. Int J Basic & Applied Medical Sciences. 2013;3(1):41-46.
- 8. Sangeeta Bhanwra, Kaza Ahluwalia. The New factor Xa inhibitor: Apixaban. Journal of Pharmacology and Pharmacotherapeutics.(Accepted for publication For Jan-April 2014.)
- Sangeeta Bhanwra, Kaza Ahluwalia, Need of the hour: Refreshing the outlook & discovering newer alternatives (correspondance) BMJ 2013, 347 doi; f4528(published 26 July 2013) http://www.bmj.com/content/347/bmj.f45 28/rr/655304
- 10. Jagjit Singh. Evaluation of the appropriateness of prescribing in geriatric patient using Beers' criteria and

- Phadke's criteria and comparison thereof by Rima Shah and colleagues. J Pharmacol Pharmacother 2012; 3 (1):81-2
- 11. Jagjit Singh, Rajiv Kumar: Adverse effect profile of Clebopride- A prokinetic agent recently approved in India. J Pharma covigilance Drug Safety 2012; 9(4) 34.
- 12. Jagjit Singh, Ram Singh, CS Gautam: Self-medication with herbal remedies amongst patients of type 2 diabetes mellitus: A preliminary study. Indian J Endo Metab 2012; 16 (4):662-3

Chapter in Book(s)

- 1. "Drugs for osteoporosis" published in Gulab Publishers, Prof. C S Gautam
- "Good Clinical Practice" published in Paras Medical Publishers, Prof. C S Gautam

DEPARTMENT OF PHYSIOLOGY

Faculty

Nandini Kapoor	Associate Professor & Acting Head	MD (Physiology)
Gurjit Kaur	Associate Professor	Ph.D (Biophysics)
Anita S Malhotra	Associate Professor	MD (Physiology)
Anumeha Bhagat	Assistant Professor	MD (Physiology)

Dr Gurjit Kaur

Awarded with the 'Sir Shriram Travel Fellowship' by National Academy of Medical Sciences (NAMS) for the year 2009.

Invited lectures

Invited lectures of Dr Gurjit Kaur already mentioned under the report of genetics center.

Stress for survival:	Physiology Update 2013 at GMC Patiala by	Regional
Eustress and distress	Dr. Nandini Kapoor	
Aging and disease - underlying Genetics	Hands on training workshop on Molecular Biology and Cytogenetic techniques at GMCH, Chandigarh by Dr. Nandini Kapoor	Regional
Homeostasis	Hands on training workshop on Molecular Biology and Cytogenetic techniques at GMCH, Chandigarh by Dr. Anita S Malhotra	Regional

Dr. Nandini Kapoor presented a poster entitled "Absenteism in Physiology Class prior to anatomy stage" in the 1st International Conference on basic and applied physiology at Amhedabad, 2012.

Dr. Gurjit Kaur presented a poster on 'Experience On Maternal Serum Screening For Chromosomal Aneuploidies And Other Complications In A Government Hospital In India' at Human Genome Meeting (HGM) held in Sydney, Australia from 11th -14th March, 2012. Partly Funded by DBT and partly funded by U.T.

Dr. Anumeha Bhagat presented a poster entitled "Assessing student awareness of learning styles and their perception to a mixed method approach of learning" in the 2nd residential contact session as part of FAIMER fellowship at CMC, Ludhiana, 2013.

CMEs organised

- Awareness Program cum Workshop on Recent Advances in Prenatal and Neonatal Screening on 11th May, 2012 at Genetic Centre, Government Medical College and Hospital, Sector 32, Chandigarh. Organising Secretary - Dr. Gurjit Kaur
- 2. Hands-on Training Workshop on Molecular Biology and Cytogenetic Techniques from 3rd-15th December, 2012 under Scheme of Organization of Short Term Training Course for College Teachers and Mid-Career Scientist in Life Sciences & Biotechnology. The training workshop was jointly organized by Division of Biotechnology, Punjab State Council for Science & Technology (PSCST) and Genetic Centre, Govt. Medical College & Hospital (GMCH), Chandigarh. Seventeen participants participated in the workshop.Organising Secretary Dr. Gurjit Kaur

Short Term Training of One Month in Genetic Centre is time to time provided to students. In 2012-2013 total number of students who received training in Genetic centre -09 by Dr. Gurjit Kaur.

Taking part in seminar/conference as delegate

- 1. 1st International Conference on basic and applied physiology at Amhedabad, 2012 attended by Dr. Nandini Kapoor
- 2. National Biophysic symposium on "Recent Perspectives in Biophysics" at PGIMER, March 2013 attended by Dr. Anita S Malhotra

Delivering an invited talk/talk in local, state level, regional conference or meeting/CME: as provided under Genetic Centre

Training

MBBS - Number of students enrolled - 50 in 2012-13

Research Completed During The Year 2012-13 Funded Research:

S.No	Name of the sponsoring agency	Title of the	e project	Short note
1. Non-funded res	DST,UT Chandigarh (2011-2012)	Estimating Prevalance of Metablic Syndrome in College going students of Chandigarh, Principal Investigator: Dr. Anumeha Bhagat, Co-Investigators: Dr. NandiniKapoor & Dr.Gurjit Kaur		On completion of the project, the estimated prevalence of metabolic syndrome was 18.3% in college going students at Chandigarh. The students were also made aware of the risk factors for metabolic syndrome and relevant life style changes were advised in various lectures
S.No	Title of the project		Short Note	
1. FAIMER project on "Assessing students awareness of learning styles and their perceptions to a mixed method approach of learning, Principal Investigator: Dr. Anumeha Bhagat		their d method	An increased awareness of learning styles amongst students and faculty was seen. Students became more aware of various style strategies for enhancing learning and actually participated in group discussion to further incorporate more learning styles. Awareness of individual learning styles helps students adopt to other learning styles. This enhances the use of better learning practices and therefore, better	
Research In P	rogress		learning outcon	
Funded researc	ch:			
S.No	Name of the sponsoring agency		Title of the proje	ect
1.	ICMR		Endothelial dysfunction for prediction of pre-eclampisa and other hypertensive disorders of pregnancy, Principal Investigator: Dr. Anita S Malhotra	

Non-funded research:

S.No Title of the project Short note

1. FAIMER project on evaluation of on going mentorship programme, Principal Investigator:
Dr. Nandini Kapoor

An increased awareness of learning styles amongst students and faculty was seen. Students became more aware of various style strategies for enhancing learning and actually participated in group discussion to further incorporate more learning styles. Awareness of individual learning styles helps students adopt to other learning styles. This enhances the use of better learning practices and therefore, better learning outcomes.

Departmental Highlights

The department of Physiology is involved in imparting the most updated knowledge in its field to the fresh MBBS entrants.

Teaching by the departmental faculty is highly interactive to help stimulate intuitive young minds. Many systems are covered by case based teaching to enhance the clinical acumen of the 1st year students at an early stage. Regular quizzes are also held to keep the students updated. As part of horizontal integration we try to cover the same systems in Anatomy and Physiology. For vertical integration students are sent to the blood bank and to the Anesthesia department. They are demonstrated the steps of basic life support in Anesthesia department. Learning is also made more relevant and contextual by giving projects to the students. The topics for the project are relevant to the current needs and are selected by the students by a unique multivoting process.

Three laboratories are fully equipped and functional: i.e. Human, Hematology and experimental labs. In these labs, the students are given first hand exposure to various haematological and human experimental procedures.

Apart from the teaching departmental faculties are involved in several research projects. Most of these projects are core scientific research projects. However, a few faculty have also stated educational research projects.

Indexed Publications

- Kaur G, Srivastav J, Kaur A, Huria A, Goel P, Kaur R, Kataria S, Chavan BS, Kochhar S, Aggarwal P, Kaur N, Panigrahi I, Chawla P. Maternal serum second trimester screening for chromosomal disorders and neural tube defects in a government hospital of North India. Prenat Diagn. 2012 Oct 11:1-5.
- Kaur G, Srivastav S, Sharma S, Huria A, Goel P, Chavan BS. Maternal Serum Median Levels of Alpha-Fetoprotein, Human Chorionic Gonadotropin and Unconjugated Estriol in Second Trimester from North-West Indian Pregnant Women. Indian J Med Res. Accepted in 2012.
- 3. Malhotra AS, Nusrat Safiq, Arora A, Kumar R & Malhotra Samir.Dietary intervention in familial hyper cholesterolemia. Update of review. We have been commissioned by cystic

- fibrosis group of chocrane collaboration for doing this update in 2013
- 4. Malhotra AS, Shafique N, Dogra S, Rajagopalan. SR & Malhotra S. Thiazolidinediones for mild to moderate plaque psoriasis: A metaanalysis. 2012. Evidence Based Medicine Vol. 17 pp 171-176, Dec, 2012
- 5. Bhagat Anumeha, Kapoor Nandini, Kashyap JR. Relationship between blood pressure and arterial stiffness in patients undergoing antihypertensive treatment: A pilot study. J Clin Med Res. Vol.4(8), pp.94-99, November 2012.

Book

Gurjit Kaur, Jatinder Kaur Arora and Dapinder Kaur Bakshi, Manual on Molecular Biology & Cytogenetic Techniques, ISBN: 978-81-88362-30-1

DEPARTMENT OF PSYCHIATRY

F	a	c	u	ŀ	ty

BS Chavan	Professor & Head	MD
Priti Arun	Professor	MD
Nitin Gupta	Associate Professor	MD
(Joined deptt as Assistant Professor from 19 May 2012 & as Associate Professor from 13 February 2013)		
Ajeet Sidana	Assistant Professor	MD
Subhash Das	Assistant Professor	MD
Virtu Chongtham	Assistant Professor	MSc
(Psychiatric Nursing) (Joined deptt from 5 November 2012)		
Shikha Tyagi	Assistant Professor	MPhil
(Psychiatric Social Work) (Joined deptt from 6 March 2013)		
Rushi	Assistant Professor	MPhil, Ph.D
(Clinical Psychology) (Joined deptt from 18 April 2013)		

Prof. BS Chavan

Prof. B S Chavan won the Presidential Award on 3rd December 2012 for "Best Individual working for the Persons with Disability". This is the highest award in the field of disability and is given to a person for outstanding contribution in the disability field.

Prof. B S Chavan was awarded the BB Sethi Award by IASP for "Profile of patients and referral pattern in general hospital psychiatry unit vs psychiatric disease hospital: What is the preferred treatment setting?" for year 2012. This award is given every year during National Conference of IASP for the best poster on original research in the field of social psychiatry.

Was Zonal Rep to EC of Indian Psychiatry Society for year 2012.

Was nominated as Governing Council Member of Guru Jambheshwar University, Hisar for year 2012

Prof. B S Chavan and Dr Priti Arun were awarded the VK Varma Award by Indian Association for Social Psychiatry on the occasion of 19th NCIASP, Chandigarh,23-25th Dec 2012. This award is given every year during the Annual Conference of Indian Association for Social Psychiatry to the best published research paper in the previous year.

Was Organizing Chairperson for 19th Annual Conference of Indian Association of Social

Psychiatry held on November 23rd -25th 2012.

Delivered a Guest lecture on Recent Advances in Liaison Psychiatry during PG Development Programme, 25-27th May, 2012 at Kasauli, HP

Delivered a Talk on Brain-Behaviour Relationship during VGU-PGI-GMCH collaborative meet on UG Training held at GMCH on 4th – 5th October 2012

Delivered a Guest Talk on Community Out-reach De- addiction Facilities during Annual Conference of IAPP held on 5th – 7th October 2012

Delivered a Guest Lecture on Psychiatric Morbidity in Patients of Breast Cancer during National Seminar held at GMCH on Breast Cancer by Dept of Community Medicine, GMCH, 7th Oct 2012

Was a Resource person in a workshop on "Rehabilitation in Schizophrenia: Case based skills training workshop" in the 19th National Conference of Indian Association for Social Psychiatry from 23rd-25th November, 2012, Chandigarh

Delivered a Guest Lecture: Overseas Indian Psychiatrists, Why and where to Collaborate at the National Conference of Indian Psychiatric Society at Bangalore, 9-13 Jan, 2013

Nominated member of WPA Section on Public Policy and Psychiatry 2012

Elected Secretary General of Indian Association for Social Psychiatry

Elected Life Fellow, Indian Association of Rehabilitation Professional (IARP).

Prof. Priti Arun

Organizing secretary for 19th Annual conference of Indian Association of Social Psychiatry held on November 23rd -25th 2012

Presented paper titled 'Profile of adolescents who drop out after first visit' in 19th Annual conference of Indian Association of Social Psychiatry held on November 23rd -25th 2012

Was Resource person for Training of master trainers and coordinators on family of International classification at Regional Health Statistics training Centre of Central Bureau of Health Intelligence, and training for nonmedical persons. (May 18th 2012, October 10th ,11th 2012, November 7th, 9th 2012)

Was Resource person for ICD -10 training of Medical officers/ chief pharmacist/ statistical officers at State Institute of health and Family welfare march 15th 2013

Delivered Invited talk on 'Depression in perimenopause and menopause' organized by Indian Menopause Society (Chandigarh Chapter) on July 4th, 2012

Delivered Invited talk on Psychosocial aspects of learning disabilities' during Symposium on early identification, assessment and intervention of children with learning disabilities organized by Prayaas (Rehabilitation centre for handicapped children, a project of Indian council for child welfare) on September 20th, 2012

Dr. Nitin Gupta

Member of World Association of Young Psychiatrists and Trainees (WAYPT).

International Member of American Psychiatric Association.

Member of International Early Psychosis Association.

Member of British Association of Psychopharmacology.

Member of European Delirium Association

Was invited faculty for workshop on Forensic Psychiatry in the 13th National Conference of IAPP, Chandigarh, 5-7 October 2012

Was member of the Core Organizing Committee for 19th Annual Conference of Indian Association of Social Psychiatry held on November 23rd -25th 2012.

Conducted an Invited workshop on 'Psychotherapy in the Indian Context' at 19th Annual Conference of Indian Association of Social Psychiatry held on November 23rd -25th 2012.

Delivered an invited talk on 'Role of Depot Antipsychotics in the current era of psychopharmacology: Patient choice, patient adherence, and treatment efficacy' at Miracles and Progress of Neuropsychopharmacology in 21st Century at MGIMS, Wardha on 10 February 2013.

Chaired a symposium session held on 20 February 2013 on 'Entering the By-Lanes of the Therapist's Mind' at the 39th Annual Conference of Indian Association for Clinical Psychologists, New Delhi from 17-20 February 2013.

Dr. Ajeet Sidana

Was awarded Dr. AK Kala award for "A Comparative Study of Olanzapine Versus Divalproex in acute treatment of bipolar disorder: A 3 week Prospective Study" at the Annual Conference of North Zone-Indian Psychiatric Society, Sri Ganganagar, October 2012.

Was nominated as Assistant Secretary General of IASP.

Was elected Treasurer of Indian Psychiatric Society North Zone

Was a Resource person in a workshop on "Rehabilitation in Schizophrenia: Case based skills training workshop" in the 19th National Conference of Indian Association for Social Psychiatry from 23rd-25th November, 2012, Chandigarh

Was Treasurer of the Core Organizing Committee for 19th Annual Conference of Indian Association of Social Psychiatry held on November 23rd -25th 2012

Dr. Subhash Das

Was a Resource person in a workshop on "Rehabilitation in Schizophrenia: Case based skills training workshop" in the 19th National Conference of Indian Association for Social Psychiatry from 23rd-25th November, 2012, Chandigarh.

Was Member of the Organising Committee and Chairperson of Sub-Committees in the 19th National Conference of Indian Association for Social Psychiatry organised by the Department of Psychiatry, GMCH from 23rd-25th November, 2012, Chandigarh

Completed the course on "Principles and practice of clinical research" conducted by National Institute of Health Clinical Center, USA and Clinical Development Services Agency, India in New Delhi from 29th Oct 2012 to 3rd Nov 2012.

Member of the World Health Organization's (WHO) Global Clinical Practice Network (GCPN)

Ms. Virtu Chongtham

Was Member of the Organising Committee in the 19th National Conference of Indian Association for Social Psychiatry organised by the Department of Psychiatry, GMCH from 23rd-25th November, 2012, Chandigarh

Service

Home Based Treatment Services: Department of Psychiatry, Govt. Med. College & Hospital, Sector-32, Chandigarh, provides Treatment Services at Home for those patients who for some reason or other are unable to come to the hospital for treatment purposes. Home Base Treatment Team comprise of Psychiatric Social Worker, Nursing Staff under direct supervision of a consultant.. HBT services has been started by the department from 8th April 2013. Till now total no of patients covered are 11 and total no of Home visits done for assessment, treatment and follow up have been 25.

Department has started Home Based Treatment services for following patients:

- 1. Patients with gross personal neglect due to mental illness, however patient is unwilling to come for treatment.
- 2. Patients with major mental illness that is staying alone and there is no one to bring him for treatment.
- 3. Elderly patients with mental illness who are bed ridden and are unable to come to the hospital for treatment.
- 4. A non compliant patient with a history of multiple relapses and in need of regular medication to prevent relapse and hospitalization.

Mental Health Cell

Mental Health Cell has been set up in March 2013 to look after the work of Chandigarh Mental Health Authority (CMHA). The Staff for Mental Health Cell namely counselor, social worker and staff nurse has been appointed. The functions of Mental Health cell will be:

- · To maintain records of Chandigarh Mental Health Authority (CMHA).
- · To conduct meetings of Chandigarh Mental Health Authority (CMHA).
- · Putting up proposal of inspection of private psychiatric nursing homes.
- To coordinate with caregivers and care providers and planning services for special population with mental illness.
- To monitor persons suffering from Mental Illness who are not otherwise accessible due to their isolation

Disability Assessment Rehabilitation and Triage (DART) service:

The "Disability Assessment, Rehabilitation and Triage" or in short, DART is the latest service started by the Department of Psychiatry, GMCH. This service facility was inaugurated by the Head of the Department of Psychiatry in the old GIMRC building at Sector 32 on 31st December, 2012. The main focus of this facility is to rehabilitate those with chronic mental illness. In addition it was also designed to provide aid in issues related to mental illness like disability certification, psychoeducation, placement assistance, legal assistance and so on. For rehabilitation and disability assessment, the service has a Neuro-cognitive Rehab Clinic, Social Skills Clinic and a Vocational Rehab Clinic. At present the vocational activities present in the service are Pottery section, Paper Recycling Unit and Gardening. Plan is in the pipeline to start a "Masala Grinding Unit". The Service is open from 9:00 am to 5:00 pm from Monday to Friday and 9:00 am to 1:00 pm on Saturday. Service is provided by a team comprising of Psychiatrist, Clinical Psychologist, Nursing staff specialized in Psychiatry and Psychiatric Social Worker. In addition MD (Psy), MPhil (Clinical Psychology) and MPhil (Psychiatric Social Work) trainees are also posted here for academic activities and clinical training.

Total patients seen till 31st March, 2013:

Day Care Center:

Department has started Day Care Center from June 2013 at DART for chronic mentally ill patients who have limited social support at home and have become incapacitated due to mental illness. These patients are engaged in recreational activities, sport, yoga and social skill training. Total no of patients enrolled in Day Care Center are 14.

Community outreach services: The department has always given highest priority to the community out reach services since its inception. The first community service was started in a Gurudwara at Palsora village in 1997. Subsequently, new services were started at other villages. Currently the department is providing community outreach services at four places adjoining Chandigarh viz Dhanas, Khuda Ali Sher, Police Hospital Dispensary- Sector-26 and Palsora. The community team, which comprises of a Psychiatrist, Clinical Psychologist, Medical Social Worker and Staff Nurse examines patients at these places on a weekly basis and dispenses free

	WARI NUAL 1 2012		General OPD		Al OPD Psycho De Sexual addiction Clinic Clinic		on	Child Guidance Clinic		REFERRAL		
	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012	2011	2012
Total	485	536	33558	35389	384	418	2134	2106	1476	1530	1432	1421
New			5089	5216	83	88	380	434	251	317	1393	1361
Old			20255	21963	301	330	1754	1672	1225	1213	39	60

Psychology Section Annual Data

Work Done		2011	2012
Testing		840	1314
	Patients	1406	1758
	Sessions	2185	3113
Therapies			
Satellite Services	3	1217	1174

medicines. The department also organizes 10 days indoor de-addiction camp annually in the periphery of Chandigarh with the help of the local Panchayat after prior screening and identification of patients.

Year	New	Old	Total
20 12	927	7283	8210
2011	689	6843	7532

In Year 2012, the following Camps/Activities were organised viz.

World No Tobacco Day-31st May-Posters were displayed in OPD.

International Day against Drug Abuse and Illicit Trafficking- organized at Snehalaya along with Social Welfare Department, UT, Chandigarh.

State Resource Centre (SRC):

The Department is an identified centre by the UT Administration for identifying disabilities. For this it has been conducting house-to house surveys and camps on a regular basis.

YEAR	2011	2012
NEW Cases	363	302
Follow - Up Cases	564	935
Disability Certificate Issued	242	365
Total Camps	8	7
Total Patients	714	841

Half Way Home: The HWH was started in the April 2003 for the purpose of cognitive, psychosocial and vocational rehabilitation of the mentally ill. It has been seen that there are sizeable numbers of chronic mentally ill patients who do not require admission in the hospital but at the same time they are not fit to live and work in the community independently. So, HWH is a transient mid way station between home and hospital where the patients can be helped to regain their optimum skills. HWH functions on all working days between 9AM-5PM (Saturday 9.00AM-1.00PM).

Juvenile Justice Home (JJH):Since February, 2013, the Department of Psychiatry has been providing clinical care to the juveniles who are lodged in the Observation-cum-Special Home in Sector 25, Chandigarh. In addition, the department is also providing technical support and supervising the staffs of the facility. So far, 37 inmates have been examined. In future, the department is planning to have a sound after-care plan for the juveniles, once they are discharged from the facility.

Regional Institute of Mentally Handicapped (RIMH)

The dept supervises the services for mentally challenged at RIMH since 1998 (earlier it was named GIMRC). The RIMH is set up with the following objectives:

- 1. Diagnosis and medical care of children with mental retardation, autism, cerebral palsy and children with multiple disabilities at the OPD level.
- 2. To create Infrastructure for human resource development in the area of disability.
- 3. To provide Vocational training and job placement in a sheltered environment.
- 4. Provide comprehensive training and education to at least 1000 mentally challenged children.
- 5. Nodal agency for the implementation of provision of Person's with Disability Act (1995) & National Trust Act (1999).
- 6. To carry out research in the area of mental retardation for early detection and prevention of disability.

- 7. To provide technical support to the NGOs and other organizations working in the area of mental retardation.
- 8. To set up a resource centre for providing day to day technical support to normal schools having special section for the mentally challenged children.
- 9. Empowerment of parents and guardians of mentally challenged children.
- 10. Genetic screening and counselling for prevention of disability

RIMH runs daily Child Development Clinic and special clinics on Epilepsy, Autism and Early Intervention. RIMH is RCI recognized centre for D Ed, B Ed and M Ed inspecial education (MR). These courses are affiliated with Panjab Universith. There are more than 400 children on its role. The regional centre of National Trust (called State Nodal Agency Centre - SNAC) is also located in RIMH. RIMH provides disability certificates and guardianship certificates. Local Level Committee located at RIMH which issues guardianship certificates received Two National award (2003 and 2006) for being the best in the country.

Training

MD Psychiatry- 6 trainees; 2 passed out successfully MPhil (Clinical Psychology)- 7 trainees MPhil (Psychiatric Social Work)- 2 trainees Psychology (Short Term Trainees)- 43

Centre of Excellence

The Centre of Excellence (COE) has been sanctioned under the National Mental Health Programme by the Ministry of Health, Govt of India in 2009 for manpower production in the area of Mental Health. Funding has been sanctioned under the various heads of- Capital Work, Non-Technical Equipment, Library, Faculty & Technical support. Manpower development is proposed in the fields of Psychiatry (8 seats), Clinical Psychology (8 seats), Psychiatric Social Work (8 seats), Psychiatric Nursing (20 seats) by starting training programmes. These have been initiated in Clinical Psychology and Psychiatric Social Work, while it is under process for Psychiatric Nursing.

Faculty recruitment to provide training for the same has been sanctioned as per MCI/RCI/NCI norms as given below:

- i) For Additional 2 units in psychiatry: Professor (1), Associate Professor (2), Assistant Professor (3)
- ii) For M Phil Clinical Psychology:

Associate Professor (1), Assistant Professor (1), Clinical Psychologists (4)

iii) For M Phil Psychiatry Social Work:

Associate Professor (1), Assistant Professor (1), Psychiatry Social Workers (2)

iv) For Diploma in Psychiatry Nursing:

Associate Professor (1), Assistant Professor (1), Tutor (1)

Faculty recruitment has been carried in a phasic manner under the COE wherein 1 Associate Professor of Psychiatry, 1 Assistant Professor of Psychiatric Social Work, 1 Assistant Professor of Psychiatric Nursing, 3 Clinical Psychologists, 1 Nursing Tutor have been appointed on a contract basis.

Mental Health Institute

The Mental Health Institute (MHI) has been constituted under the aegis of the Chandigarh Mental Health Authority (CMHA), which is the statutory body constituted by the state government as per the directions given in Mental Health Act, 1987. The CMHA is the apex body within the state to protect and safeguard the rights of persons with mental illness. Prof. BS Chavan is the Member Secretary of CMHA, and he is in-charge of the proposed MHI. Allocation of 2.09 acres of land by Chandigarh Administration has been done for setting up of MHI for the care of mentally ill persons in the UT. Construction work for MHI is to start soon on the land identified. Additionally, creation of 174 posts for Mental Health Institute is under active consideration by Ministry of Finance, Government of India. This shall help in generating more resources and manpower for mental health care in the UT.

Research completed during the year:

Funded Research

Funding agency-Department of Science and Technology,

Title-"Development of manual for parents of children with autism"

(Principal Investigator- Dr Priti Arun).

Results arrived: 'A bilingual module for parents was developed with inputs from caregivers, professionals working in field, special educators, psychologists and psychiatrists. The module was conceptualized to provide general information about ASD, the available modalities of therapy and to provide basic interventions which can be carried out at home by parents with their children. The impact of the training module on parental knowledge, stress, perception of support, hope, sense of confidence and perceived change in skills in providing home based intervention to children with ASD was assessed. There was improvement on all parameters. Parents reported that module had improved their perceived skills in providing interventions at home to their children. They reported that the module was quite comprehensible and welcomed the bilingual version.'

Non funded research:

Role of Crisis Intervention Team in Delivery of Mental Health Services: The Chandigarh Experience

BS Chavan, Subhash Das, Sukhtej Sahni, Rachna Bhargava

After a spurt of suicides in 2003, the Department of Psychiatry, Government Medical College and Hospital, Chandigarh, set up a "24 hours suicide prevention telephone help-line". In addition to the help-line, the department also set up a Crisis Intervention Team (CIT) comprising of a clinical psychologist, a medical social worker and a staff nurse for intervention during mental health crisis. Approximately 3.45% calls received by the helpline were of emergency nature. The helpline staff was able to handle about 57.5% of the emergency calls through tele-counseling. Rest required in-person intervention by the CIT. The study has shown the initial evidence of effectiveness of CIT services for emergency mental health issues.

Assessment of Caregivers Practices in Schizophrenia

Subhash Das, BS Chavan

A tool to assess the practices followed by the caregivers of patients with schizophrenia. It comprises of 15 statements which were valid and reliable to find out about the practices followed (or likely to be followed) by the caregivers of patients with schizophrenia.

Phenomenology of Volatile Solvent Abuse: an exploratory study

Ajeet Sidana, JasminKaur, BS Chavan, Sukhtej Sahni

Patients of current volatile solvent dependence or harmful users as per ICD-10 criteria were recruited from the community clinics being run by the Department of Psychiatry, Government Medical College and Hospital, Chandigarh. A total of 34 male adolescents could be included. Phenomenology of inhalant intoxication and withdrawal was assessed cross-sectionally through the subjective experiences reported by the patients on a semi structured performa prepared for study. More severe intoxication and withdrawal phenomenology was found in patients who inhaled more than one type of inhalant, those with higher frequency of lifetime inhalant use, those who inhaled for longer duration and patients who used huffing for mode of inhalation. Current study not only provides insight about the various signs and symptoms of inhalant intoxication and withdrawal, but also the impact of type, mode, frequency and duration of inhalant use on phenomenology experienced by patients is provided.

Common Unidentified Psychological and Learning Problems in School Children

Chhaya S Prasad, *BS Chavan, Ankita Malik, Hemant, **Karuna, ** Jasmine Kaur Regional Institute for Mentally Handicapped, Chandigarh, *Department of Psychiatry, Government Medical College and Hospital, Chandigarh and Regional Institute for Mentally Handicapped, Chandigarh, ** Department of Psychiatry, Government Medical College and Hospital, Chandigarh

Present study was carried out to find out the common psychological causes which interfere in learning in normal class room setting. In the present research teachers identified 232 children out of 1000 on a semi structured screening Performa prepared by professionals. Out of 232 identified children, 135 children were assessed by a team of professionals consisting of Psychiatrist, Clinical Psychologist and Special Educator. 23 children were identified to have below average intelligence with mean I.Q. of 77. Nine children were diagnosed to have attention deficit and hyperactivity disorder (ADHD), 40 children had conduct disorder, emotional problems were diagnosed in 52 children, and LD in 29 children. 97 children did not come for assessments. For further management and intervention, children having various psychological or learning problems were referred to health professionals.

A Study on Parents & Teachers perspective in understanding the need of Self Determination Skill Training for Persons with Intellectual Disability

Hemant Singh Keshwal,*BS Chavan

Regional Institute for Mentally Handicapped, Chandigarh & *Department of Psychiatry, Government Medical College and Hospital-32, Chandigarh and Regional Institute for Mentally Handicapped, Chandigarh.

The study was conducted on a sample size of 100 which included 50 parents and 50 special Educators/Vocational Instructors by administering a 30 item questionnaire. Special Educators working with persons with children with intellectual disability above 16 yrs and similarly parents having children have children/adults with mild intellectual disability who are above 16 yrs of age. This study signifies the role of Special Educators/Vocational Instructors and parents in understanding the need of training them in skills like Personal Management, Community Participation, Recreational & Leisure time, Choice Making and Problem Solving skills which constitutes Self determination. On comparing the responses of the two groups, high correlation observed. The results reflects the need of training in self determination skills and importance of training which could lead to successful independent living in community as well as employment.

Wisconsin Card Sorting Test-64: Preliminary Normative data on Indian Population

Manreet Kaur, Nitin Gupta, Archna Sharma, Karuna Singh

The aim of this study is to establish adult norms for the WCST 64 in Indian population. A total of 50 healthy participants were recruited. All of the participants completed the WCST, and 10 indices of WCST were calculated. Various indices of WCST-64 were calculated and compared with western norms.

Clinical Characteristics of Patients of Dissociative Disorders Presenting at Tertiary Care Hospital

BS Chavan, Manreet Kaur, Navneet Kaur

The aim of this study was to determine the prevalence and clinical features of dissociative disorder in the psychiatry department of Government Medical College & Hospital, Sec-32, Chandigarh. A retrospective and descriptive study was carried out over eight months, from January 2012 to August 2012, of all the patients who attended psychiatric OPD during this period. The present study suggested that dissociative disorder predominantly affected females, mostly housewives, belonging to lower socio economic status. Dissociative disorders are less frequent in our hospital; we must overcome the difficulties due to the complexity of the diagnosis and the cultural resistances to modern health care to determine the real prevalence of these disorders in tertiary care hospital.

An exploratory study assessing reasons behind initiation, continuation, or stoppage of alcohol after first use.

Chavan BS, Kaushal T, Gupta N, Arora S

The present study examined reasons for trying alcohol for first time and its subsequent use. Also, the study attempted to discover the difference between drinkers and non drinkers and possible predictors that make an individual vulnerable to alcohol use.280 first year college students from 6 different colleges were approached. It was found that first year of college is a unique transitional period wherein students may be especially at high risk to begin or escalate heavy drinking. Studying the nature of alcohol initiation may not only be helpful in planning awareness programmes but also in preventing Underage Drinking and Alcohol Abuse.

A Follow up study of addiction severity and motivation in a 10 day community de-addiction camp

Abhishek Chowhan, BS Chavan, Ajeet Sidana, Prabhjot Kaur

The present study was designed to find out the effectiveness of community de-addiction camps in terms of abstinence rate in those admitted for de-addiction after a 3 month follow up. Sociodemographic profiles, addiction severity and motivation of abstinent and relapsed patients were also compared. Addiction severity was low and motivation was high in abstinent group as compared to relapsed group. After 3 months, there was reduction in addiction severity and increase in motivation level among those who relapsed.

Quality of Life and Coping among caregivers of patients suffering with anxiety, depression and somatoform disorders

BS Chavan, Rachna Bhargava, Prerna Sharma, Nitin Gupta

The study was planned to examine the coping and quality of life of caregivers of people suffering with mental illness in the community setting. The sample was drawn from a general population cohort residing in Chandigarh, in whom CIDI was used as an epidemiological assessment tool. Quality of life and coping styles was significantly correlated in the caregivers

A community-based epidemiological study to identify mental illness in Chandigarh

BS Chavan, Rachna Bhargava, Tanuja Kaushal, Nitin Gupta

An epidemiological study was conducted in the city of Chandigarh in order to enumerate mental disorders in the general population. 2855 individuals were administered a socio-demographic sheet and GHQ-12. Individuals scoring above the cut off on GHQ were administered CIDI for confirming the psychiatric diagnosis. Out of 2855 cases, 79 cases were diagnosed to have psychiatric illness yielding a point-prevalence of 2.8%.

Journey of a community from denial to activism: an instance of community active intervention

BS Chavan, Suravi Patra, Nitin Gupta

The present study is an ethnographic account of a community in Chandigarh, which is currently struggling with the problem of drug abuse and to identify and understand the process of change, if any. Key informant interviewing was carried out at a community outreach clinic of Dept. of Psychiatry, Government Medical College and Hospital, Chandigarh to evaluate the community perception about substance abuse and its readiness to change. Using an ethnographic approach, a thorough understanding of the socio-cultural and political ethos of the community helped in chalking out and implementing an action plan in which the village leaders were given key responsibilities with the goal of having a drug free community.

Prevalence and pattern of tobacco use among patients with mental disorders attending outpatient services in a Tertiary Care Hospital.

Archna Sharma, BS Chavan, Jaspreet Kaur

To study the prevalence and pattern of tobacco use among patients with mental disorders attending outpatient services in a Tertiary Care Hospital.

Neuropsychological Profile of Children with Learning Disability

Priti Arun, Archna Sharma, Sweety Sharma, Manreet Kaur

The aim of the study was to assess the neuropsychological profile of children presenting with learning disability to the child guidance clinic of a tertiary care hospital.

Does an outpatient consultation with a Consultant Psychiatrist enhance satisfaction? A pragmatic exploratory study from a tertiary care hospital set-up

Nitin Gupta, Ankita Jain, Diksha Sachdeva

Patients having contact with psychiatry out-patient services were recruited by convenience sampling and written informed consent was obtained. We wanted to determine the degree of concordance between patient and caregiver reported satisfaction with their first outpatient consultation AND also to assess the patient's experience of the clinician during their first outpatient consultation.

Profile of adolescents who drop out after first visit

Priti Arun, Chandrabala, Preeti Jhamb

A retrospective review of walk- in Performa of patients in the age group of 11 to 18 years who dropped out after first visit during four years period (2008- 2011) was done. Socio-demographic data and clinical variables were noted.

Comparing treatment various treatment option for in treatment resistant, unipolor non-psychotic depression.

Ajeet Sidana

Research In Progress:

Funded

- 1. Developing Community Based Community Mental Health Model in collaboration with Asia Australia Mental Health (AAMH) and Melbourne University, part of MOU between Ministry of Health, GOI and Melbourne University (2012-2014) (Prof BS Chavan)
- 2. Drug Abuse Monitoring System (DAMS) -Multi-centric ongoing project of NDDTC, AIIMS under MOH &FW,GOI. (Dr Ajeet Sidana)

Non-Funded

1. Knowledge, Attitude and Practice concerning physical health among in-patients with severe mental illness (SMI): Preliminary findings (Dr Nitin Gupta)

- 2. Olanzapine v/s Asenapine in acute mania (Dr Ajeet Sidana)
- 3. Assessment of Knowledge and Practices of the Caregivers in Schizophrenia (Dr Subhash Das, Prof BS Chavan)
- 4. Impact of psychiatry training on attitude of medical students towards mental illness and psychiatry (Dr Subhash Das)

Visiting Professors

The following faculty visited our department and delivered academic talks in various for a viz.

Dr Mrigendra K Das, UK

Dr Ashish Arora, UK

Prof V Kumaraiah, India

Professor VK Varma, USA

Departmental Highlights

- 1. The Department organized the 19th Annual Conference of Indian Association of Social Psychiatry from 23rd -25th November, 2012.
- The Department was one of the four sites across India short-listed for Developing Community
 Based Community Mental Health Model in collaboration with Asia Australia Mental Health
 (AAMH) and Melbourne University. This is part of MOU between Ministry of Health, GOI
 and Melbourne University.
- 3. The "Disability Assessment, Rehabilitation and Triage" (DART) is the latest service started by the Department based in the old GIMRC building, Sector 32 on 31st December, 2012. The main focus of this facility is to rehabilitate those with chronic mental illness.
- 4. The Department is one of the 11 designated Centers of Excellence (COE) across the country under the National Mental Health Programme by the Ministry of Health, Govt of India in 2009 for manpower production in the area of Mental Health.
- 5. The Mental Health Institute (MHI) is under the charge of HOD, Department of Psychiatry, and shall be providing care for the mentally ill people in the UT under the CMHA. Site and architectural plans have been approved.
- 6. The Department has developed and collated information about itself (including various activities) in a comprehensive and structured manner under various heads, called as General Information Manual.

Indexed Publications

- 1. Ahuja V,Goel N, Das S, Singh P. Intensive care unit psychosis a well known but rarely thought early. Journal of Anaesthesiology Clinical Pharmacology (Accepted).
- 2. Chavan BS, Garg R, Bhargava R. Role of 24 hours helpline in delivery of mental health services. Indian Journal of Medical Sciences 2012; 66 (5-6): 116-25.
- 3. Chavan BS, Patra S. Euthanasia- Evolving Role of Psychiatrists in India. Indian J Psychiatry 2012; 54(2): 108-10.
- Garg J, Arun P. A follow-up study of academic functioning and social adjustment in children with attention deficit hyperactivity disorder. Indian J Psychological Med 2013; 35: 47-52
- Garg R, Chavan BS, Arun P. Short-Term Efficacy of Electroconvulsive Therapy in Treatment-Resistant Schizophrenia. German J Psychiatry 2012; 15(2): 44-9.
- 7. Gupta N. Reading a Research Paper: The relevance of 'Ecological Validity'. Indian Journal of Psychiatry 2012; 54: 386-387.

Non-indexed Publications:

- Bhargava R, Chavan BS, Kaushal T, Gupta N. Development of 12-item Disability Screening Tool in a community setting: Preliminary analysis. IJSP 2012; 28:94-105.
- Chavan BS. Impact of Indian Society for Social Psychiatry on mental health: Secretary General Report. IJSP 2012; 28: 72-4.

- 3. Chavan BS, Patra S. Evaluation and Management of Delirium. JMHHB 2012; 17(3): S32.
- 4. Chavan BS, Kaushal T, Gupta N, Arora S. An exploratory study assessing reason behind initiation, continuation or stoppage of alcohol after first use. IJSP 2012; 28 (3&4): A42.
- Chavan BS, Bhargava R, Kaushal T, Gupta N. A community based epidemiological study to identify mental illness in Chandigarh. IJSP 2012; 28 (3&4): A44.
- Chauhan A, Chavan BS, Margoob M. Profile of patients and referral pattern in general hospital psychiatry unit vs psychiatric disease hospital: What is the preferred treatment setting? IJSP 2012; 28 (3&4): A11.
- 7. Garg R, Chavan BS, Arun P. Stigma and discrimination: How do persons with psychiatric disorders and substance abuse view themselves? IJSP 2012; 28: 121-30.
- Gupta N. The conundrum of Emotionally Unstable Personality Disorders. Indian Journal of Social Psychiatry 2012; 28: 36-42.
- Purkayastha M, Chavan BS, Kumar S. Quality of life in caregivers of persons with mental retardation and chronic schizophrenia: JMHHB 2012; 17: 53-9.
- Sidana A, Verma P, Chavan BS. A
 Comparative Study of Olanzapine Versus
 Divalproex in acute treatment of bipolar
 disorder: A 3 week Prospective Study.
 JMHHB 2012; 17(1): 5-14.

- 11. Sidana A, Sahni S, Chavan BS. Comparing treatment various treatment option for in treatment resistant, unipolar non-psychotic depression. JMHHB 2013; 18(1): 34-44.
- 12. Talwar A, Arun P, Kaushik S. Prevalence and factors related to suicidal ideation in students. JMHHB 2012; 18: 52-9.

Chapters In Books

- Arun P, Patra S, Gupta N. Voluntary Sector and NGOs.. In Chavan BS, Gupta N, Arun P, Sidana A, Jadhav S, editors. Community Mental Health in India. Jaypee Publishers, New Delhi. 2012, p 357-361.
- Chavan BS. Appropriate Resource Management and Administrative and Political Initiatives. In Chavan BS, Gupta N, Arun P, Sidana A, Jadhav S, editors. Community Mental Health in India. Jaypee Publishers, New Delhi. 2012, p 421-30.
- 3. Chavan BS, Das S. Block: Mental Health Services. In "course writing" for Post Graduate Diploma in Mental Health for the Indira Gandhi National Open University (IGNOU), New Delhi (in press)
- Chavan BS, Das S. Block: Future Directions. In "course writing"for Post Graduate Diploma in Mental Health for the Indira Gandhi National Open University (IGNOU), New Delhi (in progress)

- 5. Chavan BS, Rozatkar A, Sidana A. Models of Community Mental Health Care. In Chavan BS, Gupta N, Arun P, Sidana A, Jadhav S, editors. Community Mental Health in India. Jaypee Publishers, New Delhi. 2012, p 269-80.
- Chavan BS, Sidana A, Rozatkar A. Camp Approach. In Chavan BS, Gupta N, Arun P, Sidana A, Jadhav S, editors. Community Mental Health in India. Jaypee Publishers, New Delhi.2012, p 281-7.
- 7. Chavan BS, Gupta N, Arneja J. Primary Prevention of Psychiatric Disorders. In Chavan BS, Gupta N, Arun P, Sidana A, Jadhav S, editors. Community Mental Health in India.Jaypee Publishers, New Delhi.2012, p 288-95.
- 8. Varma VK, Gupta N. Role of Psychotherapy and Counselling.In Chavan BS, Gupta N, Arun P, Sidana A, Jadhav S, editors. Community Mental Health in India.Jaypee Publishers, New Delhi. 2012, p 362-368.

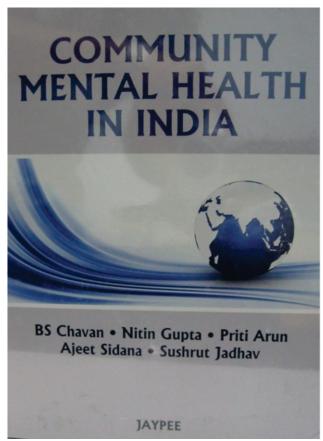
Books

- Chavan BS, Gupta N, Arun P, Sidana A, Sushrut Jadhav: Community Mental Health in India, Jaypee Brothers, New Delhi. 2012
- Naaz R. Indian version of Kaufman Assessment Battery- Development and Applicability, Lap Lambert Academy, Germany. 2012





DART Services



 $\begin{tabular}{ll} Textbook on Community Mental Health in India \\ 210 \end{tabular}$

DEPARTMENT OF PULMONARY MEDICINE

Faculty

A K Janmeja	Professor & HOD –cum- Medical Superintendent	MD
Varinder Saini	Professor & HOD MRD	MD
P R Mohapatra Resigned on 31/3/2013	Assistant Professor	MD
Deepak Aggarwal	Assistant Professor	MD

Prof. A K Janmeja

Conferred Fellow of Indian Sleep Disorder Association (FISDA) 2012

Dr.Deepak Aggarwal

Dr Deepak Aggarwal conferred as Fellow of American College of Chest Physicians [FCCP].

Dr.Kranti Garg, Senior Resident

Received International Women's Day award on International Women's Day

Presiding over a National level CME program or National Conference

SLEEPCON-2012 was organized under the auspices of Indian Sleep Disorder Association by department of Pulmonary Medicine, Govt. Medical College, Chandigarh on 7-8th April 2012 (Prof.A.K.Janmeja as Organizing Secretary)

Invited lectures by faculty members during National / International Conferences and National / International CMEs

Prof. AK Janmeja

- 1. Guest lecture on "Why every tuberculosis infection does not convert into disease" on 26th May 2012 in a national conference- 18th NESCON 2012 at Mumbai.
- 2. Guest lecture on "Diagnosis and assessment of COPD" & "The management and prevention of COPD exacerbations in primary care" on 15th July 2012 during ACCP CHEST 2012 CME-cum-Workshop at New Delhi.
- 3. Guest lecture on the topic of "Approach to Diagnosis of Asthma" on 16th September 2012 and at LRS, New Delhi during ACCP, North Indian Chapter

- 4. Panel discussion on "Diagnostic and management issues at the primary and secondary levels of health care" during 26th Annual Update on Pulmonary and Critical Care Medicine held on October 14, 2012 at PGIMER, Chandigarh
- 5. Guest lecture on "Imaging An inseparable Approach: Is chest computerized tomography safe?" at NAPCON 2012 held on 17-20th November 2012 at Bhubaneswar Odisha.

Prof. Varinder Saini

1. Chaired session in Medicine Update 2012 held at IGMC, Shimla 19-20 May 2013.

Papers presented in national/international conferences.

Prof. A K Janmeja

- Lecture on "Evolution of Sleep Medicine" during Dinner Symposium on 7th April 2012 during SLEEPCON 2012 (National Conference on Sleep Disorders) held at Hotel Shivalik View, Chandigarh.
- 2. "Introduction to essentials of polysomnography" during Polysomnography Workshop held on 6th April 2012, Chandgiarh.

Receipt of prizes or medals by the faculty for academic purposes.

Prof. AK Janmeja

 BD Bio Sciences & The Cytometry Society - India; 4th BD-TCS Award for Excellence in Flow Cytometry for 2012 to the Paper "Mycobacterium tuberculosis Modulates Macrophyage Lipid-Sensing Nuclear Receptors PPAR? and TR4 for Survival" (published in J Immunol 2012; 188: 5593-5603; Pre-published online 27th April 2012)

Dr. PR Mohapatra

1. Elected as National delegate to European Respiratory Society from 2012 to 2015.

Visits abroad or to other institutions for academic purposes.

Prof. AK Janmeja

- 1. LRS Institute of Tuberculosis & Respiratory Diseases, Delhi.
- 2. VP Chest Institute, New Delhi.
- 3. St. Stephens Medical College, Bangalore

Prof. Varinder Saini

1. Visited Tata Memorial Hospital, Mumbai for 6 month training in Medical Oncology. (1st Sept. 2012 to 28th February 2013)

Members of international societies

Prof. AK Janmeja

- 1. International Medical Science Academy (IMSA)
- 2. World Asthma Organization (WAO)

Dr. Deepak Aggarwal

Member of European Respiratory society

Dr. Rupali Lahoria, Senior Resident

Member American Thoracic Society

Member European Respiratory Society

Membership of an Executive Committee / Treasurership / Assistant or Joint Secretaryship of National Societies.

Prof. AK Janmeja

- 1. Vice President, Indian College of Asthma, Allergy & Applied Immunology [ICAAI
- 2. Joint Secretary, of Society for Tobacco Control[STC]
- 3. Member, South Asia Association Allergy Asthma & Clinical Immunology [SAAAACI]
- 4. Member EC, National College of Chest Physicians [NCCP]
- 5. Member EC, Tuberculosis Association of India [TAI]
- 6. Member EC, Indian Sleep Disorder Association [ISDA]
- 7. State Coordinator for Chandigarh State, Indian Chest Society [ICS]

Prof. Varinder Saini

Joint Secretary, Indian Society of Lung Cancer

Dr. Deepak Aggarwal

Executive member-World journal of Respirology

CMEs organized

- 1. Workshop on Interactive learning experiences on essentials of polysomnography and treatment options for sleep disordered breathing problems.
- 2. Workshop on Non-Invasive Ventilation

Taking part in Seminar/Conference as delegate

Prof. A K Janmeja

- Managing COPD with appropriate Strategies MAPS to enhance your expertise (Implementation of COPD Assessment Test, CAT) in clinical practice on 15th February 2012 at Chandigarh
- 2. MCI-MEU Coordinator's Workshop in Medical Education Technologies at MCI Nodal Center, CMC Ludhiana on 28.03.2012
- 3. Zonal Task Workshop on the Involvement of Medical Colleges in RNTCP at PGIMS, Rohtak on 18th& 19th October 2012
- 4. XXIV National Conference of IAP Respiratory Chapter at PGIMER, Chandigarh as faculty on 26th 28th October 2012 (Organized by IAP Respiratory Chapter)

Dr. Deepak Aggarwal

- 1. Asia Pacific congress on bronchology at Jaipur in Jan, 2012
- 2. AIIMS-ACCP Pulmonary and Critical care Ultrasound workshop at AIIMS New Delhi 12-14th December 2012.
- 3. Zonal Task Workshop on the Involvement of Medical Colleges in RNTCP at PGIMS, Rohtak on 18th& 19th October 2012

Delivering an invited talk/talk in Local, State level, Regional Conference or Meeting/CME. Prof. A K Janmeja

- 1. Guest lecture on "One airway one disease" on 17th August 2012 during Tricity ENT Forum, Chandigarh.
- Guest Lecture Participated as faculty at the National Workshop to Formulate "Guidelines for Diagnosis and Management of Chronic Obstructive Pulmonary Disease (COPD)" held on February 23-24, 2013 at PGIMER, Chandigarh

Dr. Deepak Aggarwal

1. Delivered a talk on Influenza pneumonia at Tricity chest forum in March, 2013

Service

MINOR OPERATIONS

	1/4/2011 to 31/3/2012	1/4/2012 to 31/3/2013
Bronchoscopy	604	467
CT Guided FNAC	47	110
Polysomnography	166	70
ICD (Inter costal drainage)	220	247
Lung Biopsy	03	10

CLINICAL DATA

	1/4/2011 to 31/3/2012	1/4/2012 to 31/3/2013	
Name of the test	Total tests performed		
Maontoux	2123	1806	
Bronchoscopy	587	462	
Pulmonary Function Test	2832	2106	
Lung Volume Measurement	29	10	
Diffusion Capacity Measurement	62	63	
Allergy test	30		
Transbroncho lung biopsy	17	05	
PFT with Broncho- dialator reversibility	1928	1595	
FNAC	71	57	

OPD & IPD DATA

Year (Jan. – Dec.)	Admission	New OPD	Revisit OPD
2011	939	3700	17860
2012	1298	4010	19951
2013 (Jan. – June)	817	1982	10215

SPECIAL CLINICS

MDR TB Clinic - once in a week (Tuesday)
 Sleep Clinic - once in a week (Wednesday)
 Quit Smoking Clinic - once in a week (Wednesday)

4. PFT - daily5. DOTS under RNTCP - daily

6. Bronchosocpy - thrice in a week (Mon. Wed. & Thurs.)

7. Lung cancer clinic - once in a week (Thursday)

8. Pulmonary Rehabilitation Centre - daily9. DR TB Centre (DOTS Plus Site) - daily

NEW SERVICES STARTED

i. DOTS Plus Site in Chandigarh for MDR-TB patients under RNTCP

ii. Lung cancer chemotherapy

Training

Students Training Programme

- 1. M.D. (Pulmonary Medicine) 2 seats per year.
- 2. Student passed MD-Pulmonary Medicine in
 - a. April / May 2012 1 No.
 - b. April/May 2013 2 Nos.
- 3. Short term trainees

- a. MPT students of Saket College of Physiotherapy
- b. Physiotherapy Interns from Saket College
- 4. MBBS theory classes and their clinical posting 50 students

Research completed during the year

PFT in Geriatrics Population of 2008 Completed DST, P.I. —
Chandigarh Chandigarh Dr.A.K.Janmeja

C.I. —
Dr.P.R.Mohapatra

Short note on the project

In this study, we attempted to derive a predictive equation for pulmonary functions for the elderly population of Northern India. Along with it we also tried to establish correlation of lung functions with age, sex, height, weight, BMI and BSA. This study included 366 healthy elderly persons of both genders of more than 60 years of age. Spirometery was done by a trained technician as per ATS standards52 after taking due consent from the volunteers. Our predictive equation for FVC, FEV1 and PEFR was calculated using multiple linear regression and was found to be dependent most on age and height. These predictive equations were calculated separately for males and females. The importance of this study is reflected by the necessity of spirometry to determine the type of the respiratory disease pattern i.e. obstructive or restrictive.

We compared the present study results with the available spirometry values obtained from different parts of the world including India. The comparison once again presses on the fact that there are wide variations in the lung function values. These variations are not only limited to racial difference but can also be present among different regions. India being a vast nation variation is expected among regions and every region should have an established standard to prevent misdiagnosis of the patients.

Research in Progress

itesemi	en in 1 rogress		
I	Understanding disease reactivation in human Mycobacterium tuberculosis	IMTECH	P.I. – Dr. Ankita S. Jaiswal
	infection and its implication in early diagnosis		Co P.I. – Dr.AK Janmeja/ Dr.JNAgrewala
Ii	Mycobacterium tuberculosis lipid repertoire fooling around host Nuclear	IMTECH & GMCH,	P.I. – Dr. Pawan Gupta
	Receptor signaling	Chandigarh	Co P.I. – Dr.AK Janmeja / Dr.JN Agrewala
iii	Role of serum procalcitonin level as a	UGC	P.I. – Dr.A.K.Janmeja
	guide to initiate and monitro the response of antibiotic therapy in acute exacerbation of chronic obstructive		& C.I. – Dr.Deepak Aggarwal Dr.P.R.Mohapatra
	pulmonary disease		Dr.V.Saini
iv	To evaluate Pulmonary function test as parameter to monitoring response to	Department of Science &	P.I. – Dr.Deepak Aggarwal
	chemotherapy in advance lung cancer technology		C.I – Dr.A.K.Janmeja / Dr.Varinder Saini / Dr.P.R.Mohapatra
v	To study the haematological parameters, bone mineral density and their	Department of Science &	P.I Dr PR Mohapatra
	correlations in patient with chronic obstructive pulmonary disease	technology	C.I. Dr Anshu Palta Dr Rohit Jindal Dr.Deepak Aggarwal Dr AK Janmeja
vi	Molecular basis of pathogenesis of	In association	P.I. – Dr.V.Saini
	mycobacterium tuberculosis	with DBT Punjab University	C.I Dr.Kaur J.
vii	NT-pro-BNP and cardiac Troponin T as mortality predictors in acute exacerbation of Chronic Obstructive	Department of Science & Technology	Dr.Seema
	Pulmonary Disease (AECOPD) patients.	recimology	C.I Dr.Saini V.
viii	Adiponectin & IL 8 as newer markers of	Department of	Dr.Shivani
		Science & Technology	C.I. – Dr.Saini V.

Departmental Highlights

- The department has recently started Pulmonary Rehabilitation Centre (PRC) in Pulmonary Medicine OPD, B Block, Level IV.
- ii. DOTS Plus Site' in Chandigarh for MDR-TB patients under RNTCP has been started in Pulmonary Medicine, GMCH-32 Chandigarh since 2012.
- iii. DOTS plus site facility has been extended to 5 district of Haryana State.
- iv. Started Lung Cancer Chemotherapy

Indexed Publication:

- Mahajan S, D khar K H, Chandra V, Dave S, Nanduri R, Janmeja AK, Agrewala JN and Gupta P. Mtb modulates macrophage lipid-sensing nuclear receptors PPAR? and TR4 for survival. Journal of Immunology2012; 188:5593-5603.
- Mohapatra PR, Punatar S, Prabhash K. Nomogram to predict the presence of EGFR activating mutation in lung adenocarcinoma. Eur Respir J. 2012 Jun;39(6):1550-1; author reply 1551.
- 3. Mahajan S, Dkhar HK, Chandra V, Dave S, Nanduri R, Janmeja AK, Agrewala JN, Gupta P. Mycobacterium tuberculosis modulates macrophage lipid-sensing nuclear receptors PPAR? and TR4 for survival. J Immunol. 2012 Jun 1;188(11):5593-603.
- 4. Aggarwal D, Aggarwal P, Mohapatra PR. Relevance of serial interferon-? release assays in health-care workers. Chest. 2012 Dec;142(6):1688; author reply 1688-9. doi: 10.1378/chest.12-1254
- Aggarwal D, Mohapatra PR, Aggarwal P. Significance of sputum purulence to guide antibiotic therapy in

- exacerbations of COPD.Eur Respir J. 2013 Jan;41(1):248.
- Aggarwal D, Mohapatra PR, Gupta R. Association between baseline airflow obstruction and rate of decline in lung function. Chest. 2012 Dec; 142(6):1694.
- Aggarwal D, Dalal U, Mohapatra PR, Singhal N. Intra-thoracic desmoid tumor. Lung India. 2012 Apr;29(2):160-2
- Garg K, Mohapatra PR, Sodhi M,Janmeja AK. Pleural effusion in Aluminum phosphide poisoning. Lung India 2012; 29:370-72
- 9. Garg K, Mohapatra PR; A pregnant woman with dyspnoea, fever&decreasedvision.Indian J Med Res. 2012 Dec; 136(6):1062
- 10. Yadav R., Sharma R., Saini V., Kaushal V. Evaluation of health insurance scheme in a multispecialty tertiary level teaching hospital of North India. Indian Journal of Health and well being. 2012 (3); 2:418-422.
- Yadav R, Kaushal V, Aggarwal P, Saini V, Sharma R. The interrelationship of positive mental and physical health: A health promoting approach. Indian

- Journal of positive psychology. 2012; 3 (1): 47-52.
- 12. Handa U., Kaur I., Saini V. Fine needle aspiration diagnosis of pulmonary hamartoma. J.Cytology. Oct.-Dec. 2012:29(4): 250-251.
- 13. Jindal SK, Aggarwal AN, Gupta D, Ahmed Z, Gupta KB, Janmeja AK, Kashyap S, Singh M, Mohan A, Whig J. Tuberculous lymphadenopathy: a multicentre operational study of 6- month thrice weekly directly observed treatment. The International Journal of Tuberculosis and Lung Diseases 2013; Volume 17, Number 2, pp234-239(6) 1 February 2013.
- 14. Aggarwal A N, Gupta D, Janmeja A K, Jindal S K. Assessment of health related quality of life in patients of pulmonary tuberculosis under programme conditions. IJTLD 2013 (In Press)
- 15. Deepak Aggarwal, Phiza Aggarwal. Pulmonary hypertension as a prognostic factor in Idiopathic pulmonary fibrosis. Respiration 2013;85(6):521. doi: 10.1159/000348543. Epub 2013 Mar 12.

- PR Mohapatra, Prashant C, Deepak Aggarwal.
 Predicting efficacy of new regimen for MDR TB.Lancet. 2013 Jan 12;381(9861):111
- 17. Mohapatra PR, Garg K, Singhal N, Aggarwal D, Khurana A, Janmeja AK.Smear Positive Tuberculosis of Lymph Node in well managed Case of Sarcoidosis.Indian J Chest Dis Allied Sci 2013 (In Press)
- Mohapatra PR, Chikkahonnaiah P, Aggarwal D.Early bactericidal activity of new drug regimens for tuberculosis.Lancet. 2013 Jan 12;381 (9861):111.
- 19. Kashyap S, Mohapatra PR. Review of Pulmonary Alveolar Microlithiasis. Lung India 2013;30(2):143-147.

Chapter(s) in Book(s)

Dr.P.R.Mohapatra (2012)9th Edition-API Text Book of Medicine (in press) -Pneumocystis Pneumonia (as single author) published in Jan 2012 Lung Cancer - 2012, API-ICP-Comorbidities in Lung Cancer Editor - Purbish Parikh (published in Jan 2012)

DEPARTMENT OF RADIODIAGNOSIS

Faculty

Suman Kochhar	Professor & Head	MD (Radiodiagnosis), MNAMS, FICR
Ravinder Kaur	Associate Professor	MD (Radiodiagnosis)
Purnima Aggarwal	Associate Professor	MD (Radiodiagnosis)
Narinder Kaur	Assistant Professor	MD (Radiodiagnosis)
Rekha Gupta	Assistant Professor	MBBS, DNB (Radiodiagnosis)

Dr. Suman Kochhar:

Sessions Chaired in National Conferences

- 1. Chaired a Scientific session on 'Interventional Radiology in Women's Health' at the Indian Society of Vascular & Interventional Radiology (ISVIR) CME on Interventional Radiology in Women's Health and Oncology, at PGIMER Chandigarh, on 5th April, 2012.
- 2. Chaired a Scientific session of 'Mihir Mittal Memorial Oration' at the Plenary Session of Indian College of Radiology & Imaging(ICRI) at the 65th National Conference of Indian Radiological & Imaging Association (IRIA) at Indore, in 4th January 2013.
- 3. Chaired a Scientific session on 'Symposium on Diffuse Disease' at the 10th Annual Conference of Indian Society of Pediatric Radiology (ISPR) at PGIMER, Chandigarh, on 29-30th September, 2012.
- 4. Chaired the Scientific session of Invited Talks on 'Radiation Protection, Quality control, AERB & Future of Radiation workers in India' at the CME IART-2012 on Radiation Protection & Quality Control, at Chandigarh on World Radiography Day, 8th November, 2012
- 5. Member of Editorial Board of Govt Medical College Hospital (GMCH) Journal

Presiding over a National level CME program or National Conference:

- 1. As Vice President of 65th National Conference of Indian Radiological & Imaging Association (IRIA) at Indore, in January 2013.
- 2. As Chairperson of CME IART-2012 on Radiation Protection & Quality Control, at Chandigarh on World Radiography Day, 8TH November, 2012.

Invited Talks Delivered by faculty members during National/International Conferences and National/International CMEs:

International:

1. Delivered an invited video talk on 'Imaging of Acute Pancreatitis, its newer classification and implications' at 6th SAARC Conference of Radiology-Feb 2013.

National:

- Delivered an invited talk on 'Imaging of Acute Pancreatitis and its latest severity classification' at 66th National Conference of Indian Radiological & Imaging Association(IRIA) at Indore in Jan. 2013.
- 2. Delivered an invited talk on 'Imaging of Musculoskeletal & Spinal Tuberculosis' at IRIA's Indian Residents Education Programme (IREP) on Musculoskeletal & Neuroradiology of Indian Radiological & Imaging Association(IRIA), at Amritsar, on 8th September, 2012.

Posters/Papers presented at conferences:

- 1. Otocephaly- A Rare congenital Malformation. Anshu Sharma*, Kanchan Kapoor*, Anju Huria**, Suman Kochhar***.Departments of Anatomy*,Gynae& Obst**,Radiodiagnosis, GMCH,Chandigarh
- 2. Caudal Regression Syndrome. Anshu Sharma*, Kanchan Kapoor*, Anju Huria**, Suman Kochhar***.Departments of Anatomy*,Gynae& Obst**,Radiodiagnosis, GMCH,Chandigarh

Membership of an Executive committee of National Societies / Professional Bodies:

	Professional Body	Position Held
1.	Indian Radiological and Imaging Association (IRIA)	Vice President
2.	Indian College of Radiology and Imaging (ICRI)	Governing Body Member
3.	Indian Society of Vascular & Interventional Radiology	Executive Committee
		Member (ISVIR)
4.	Indian Society of NeuroRadiology (ISNR)	Executive Committee Member
5.	Breast Imaging Society of India (BISI)	Executive Committee Member

Conferences/CME's/Workshops/Seminars organized

Dr. Suman Kochhar

- 66th Annual National Conference of 'Indian Radiological & Imaging Association' (IRIA), at Indore in January 2013 - Member of organizing executive committee - as Vice president of National IRIA
- 2. CME IART-2012 at Chandigarh on World Radiography Day on 8th Nov 2012.
- 3. IRIA-Punjab and Chandigarh BranchCME on 'Neuroimaging Update 2012'at CMC Ludhiana inNov 2012 as member of Advisory Committee

Conferences Attended

- 1. ISVIR CME on 'Interventional Radiology in Women's Health and Oncology', at PGIMERChandigarh, on 5th April 2012.
- 2. CME on Prenatal & Neonatal Genetic Screeningat GMCH, Chandigarh on July 2012
- 3. Harnam Singh Mid-Term CME-ICRI 2012 of Indian College of Radiology & Imaging (ICRI) on 'Musculoskeletal Imaging' organized at IIT Chennai on 14th-15th July 2012.
- 4. IRIA Indian Residents Education Programme (IREP) on Musculoskeletal & Neuroradiology of Indian Radiological & Imaging Association (IRIA), at Amritsar, on 8th September, 2012.
- 5. 10th Annual Conference of Indian Society of Pediatric Radiology at PGIMER, Chandigarh, on 29-30th September, 2012.
- 6. 'Breast Biopsy Education Programme' at All India Institute OF Medical Sciences(AIIMS), New Delhi on 9th-10th October, 2012
- 7. CME IART-2012 on Radiation Protection & Quality Control, at Chandigarh on World Radiography Day, 8th November, 2012.
- 8. 65th National Conference of Indian Radiological & Imaging Association (IRIA) at Indore in January 2013.
- 9. SIGNET Leadership workshop at Chandigarh in March 2013.

Dr. Ravinder Kaur

- 1. ISVIR Mid term CME: April 2012, Chandigarh, National
- 2. National Conference of Paediatric Radiology: 2012, Chandigarh
- 3. 13th Annual Conference of Indian Society of Anaesthesiologists (North Zone) 13th NZISACON: Oct. 2012, Chandigarh.
- 4. CME on Emergency and Trauma Radiology EIRAD 2013: May, 2013, PGI, Chandigarh.

Dr. Purnima Aggarwal

- 1. ISVIR Mid term CME: April 2012, Chandigarh, National
- 2. National Conference of Paediatric Radiology: 2012, Chandigarh

Dr. Narinder Kaur

- 1. ISVIR Mid term CME: April 2012, Chandigarh, National
- 2. National Conference of Paediatric Radiology: 2012, Chandigarh

Talks Delivered in local/regional Conferences/CMEs

Dr. Ravinder Kaur

Delivered an invited Talk on'Lung Ultrasound and FAST' in 13th NZISACON : Oct, 2012, Chandigarh (State Level Conference).

Services:

i) Existing	Total No. of patients for routine	Total No. of routine Ultrasounds	CT Scans
Services:Year	X-Rays and special investigations	(Diagnostic and Therapeutic), Obstt. &	
	(including Mammographies, IVPs	Gynae Ultrasounds, Colour Dopplers,	
	HSGs, Barrium Studies, etc.)	Ultrasound guided FNACs, aspirations,	
		drainages etc.	
2011-2012	80207	13265	12534
2012 2013	81179	13906	12692

New Services added:

- 1. Fetal imaging, Radiography and autopsy correlation.
- 2. Dexa Scans of patients for osteoporosis.
- 3. Educating students, common public about Radiation Hazards and Radiation Protection by Quiz, Poster making, Rangoli, Skits, Educational talks to students etc.
- 4. Breast mass Screening programme of women between 40-50 yrs age group

Training:

- 1. MBBS Students: 50
- 2. BSc Medical Technology(X-ray):

3rd year- 6 students 2nd year- 13 students 1st year- 13 students

Research in Progress

Dr. Suman Kochhar

1. ICMR Project:

Title: Evaluation of Endothelial dysfunction for prediction of Pre-Eclampsia & other Hypertensive disorders of Pregnancy

2. DST Project

Title: Screening Mammography in women of age group 40-50 yrs

Departmental Highlights

- 1. The department of Radiodiagnosis is equipped with state-of-art equipment.
- 2. It has carried out X-rays of more than 80,000 patients, Ultrasounds of around 14,000 patients and CT scans of more than 12,000 patients during 2012-2013.
- 3. The department provides services of Radiography, Ultrasounds (diagnostic & therapeutic), colour dopplers, interventions, mammography, special investigations, CT scans etc. to the OPD patients and round-the-clock 24 hour services of the above to the patients of Emergencies, Wards, OTs, ICUs etc.
- In addition to undertaking Research by collaborating with ICMR, DST etc. it imparts training
 to MBBS & B.Sc students and its faculty members guide the postgraduate students of other
 specialities.
- 5. The relatively new services provided and the related studies undertaken by the department over the past 3-4 years on i) spine imaging and correlation with morphometery of typical vertebrae on dry bones and ii) Imaging and radiography of medically terminated fetuses and its correlation with autopsy, are being recognized in the form of national and International research presentations & publications.
- 6. The other services added by the department are(i) Dexa Scan of patients for osteoporosis and (ii) Breast mass Screening programme of women between 40-50 yrs age group.

- 7. The department is also providing services of 'At Door' Mobile Van Mammography and Dexa scans for osteoporosis detection.
- 8. It is also actively involved in educating students (medical, para-medical, school and college students) & common public about 'Radiation Hazards and Radiation Protection' by the medium of CME, Quiz, Poster making, Rangoli, Skits, Educational talks etc..

Indexed publications

- 1. Rakesh Kochhar, Kapil Jain, Vikas Gupta, Manphool Singhal Suman Kochhar, Kuchhangi S Poornachandra, Rashi Kochhar, Usha Dutta, Birinder Nagi, Kartar Singh MD, Jai D Wig, Fistulization into the gastro-intestinal tract in acute pancreatitis, Gastro-intestinal Endoscopy, 2011; 75:436-440. [Epub ahead of print]. PMID:22154413.2012 Feb;75(2):436-40
- Jayant M, Kaushik R, Kochhar S, Attri AK. Giant Parathyroid Adenoma. Kathmandu University Medical Journal, 2011; 9(No1), Issue 33:77-79.
- Kunal Chawla, Mahesh Sharma, Avinash Abhaya, Suman Kochhar. Morphometery of Lumbar pedicles in North West India. European Journal of Anatomy, 2011;15(No 3), Sept:155-161
- 4. Richa Gupta, Kanchan Kapoor, Anshu Sharma, Suman Kochhar, Rajeev Garg. Morphometery of typical cervical vertebrae on dry bones and CT scan and its implications in transpedicular screw placement surgery..Surg Radiol Anat, 2013;35:181-189. (Published online 9 Sept 2012)
- Kaur G, Srivastav J, Bawa A, Huria A, Goel P, Kaur R, Kataria S, Chavan BS, Kochhar S, Aggarwal P, Kaur N, et al.

- Maternal Serum & Second Trimester Screening for Chromosomal Disorders and Neural Tube Defects in a Government Hospital of North India. Prenatal Diagnosis (decision Letter PD-12-0142.R2?) (accepted for publication o17.9.12),(in press)
- Mahajan V, Kochhar S, D'Cruz S, Ram K. Decade long unexplained anemia: Alert to ANCA associated vasculitis?. Indian Pediatrics(Accepted for publication on 23.8.12, INPE-D-12-00596R1).2013;50:239-242.
- Kaur R, Chauhan D, Dalal U, Khurana U. Abdominal cocoon with small bowel obstruction: two case reports. Abdom Imaging (2012) 37:275-278
- 8. Azad C, Kana Ram , Aggarwal P. Bronchial asthma with ABPA presenting as Cor pulmonale and pulmonary Thromboembolism. Indian Journal of Critical Care Medicine.(in press)

Publications in the Journal of Medical College, Chandigarh

Khayati S. Ram, Anshu Sharma, Kanchan Kapoor, Anju Huria, Suman Kochhar. Prune Belly Syndrome: A case report. Journal of Medical College Chandigarh, 2012, Vol 1(No2),:76-79.

DEPARTMENT OF RADIOTHERAPY & ONCOLOGY

Faculty

Awadhesh Kumar Pandey	Associate Professor	M.D., Radiotherapy
Kislay Dimri	Assistant Professor	M.D., Radiotherapy
Divya Khosla	Senior Lecturer	M.D., Radiotherapy

Dr. Awadhesh K Pandey

Awarded "Four weeks fellowship of M.D. Anderson Cancer Centre, Houston, USA", as observer from 06.06.2012 to 07.07.2012.

Chairing of a session of a National Conference

- 1. "18th North Zone Association of Radiation Oncologist of India" (NAZROI) Conference" at Bhatinda, Punjab 2012.
- 2. "Review meeting of Breast Cancer India" at Mahavir Hospital, Patna in August, 2012.

Conferences/ Symposium Attended as resource faculty

- 1. The symposium on "Live Beyond-Breast Cancer" organized by Department of Community Medicine, GMCH-32, Chandigarh on 8th October, 2012.
- 2. As panelist a Symposium on "Gender Preferences and some Reproductive Health Challenges"in year 2012 organized by department of Community Medicine, GMCH, Chandigarh.

Paper presented at Govt. Medical College & Hospital, Chandigarh.

- 1. "Diagnostic facilities and management of breast cancer" at workshop on Living Beyond Breast Cancer" organized by Community Medicine Department, in 2012.
- 2. "Development of an Atlas of Cancer in Punjab" funded by Indian Council for Medical Research, New Delhi.

Members of International Societies

 $International \, Georgian \, Alumni \, Association, King \, George's \, Medical \, College, Lucknow.$

Member of many professional Associations

Taking part in Seminar/conference as delegate

- Attended workshop on "Biostatistical aspects of randomized clinical trails (RCT) and Medical Ethics"organized by Dept. of Community Medicine, GMCH, Chandigarh on September, 21-23, 2012.
- 2. CME on Recent Trends in the "Management of Breast and Gynaecological Cancer" March 2013 at PGIMER, Chandigarh.

Dr. Kislay Dimri

Taking part in Seminar / Conference as delegate

- Recent Trends in the Management of Breast and Gynaecological Cancers organised by the dept. of radiotherapy, PGIMER, Chandigarh on the 8-10th March, 2013 as part of the golden jubilee celebrations
- 2. 18th North zone AROI conference held at Bhatinda, Punjab 0n 29-30th September, 2012

Delivering an invited talk in Local/Regional Conference or Meeting

1. Delivered a lecture on ethics in cancer research at ICMR conference at GMCH, Chandigarh on 21-23rd September, 2012

Dr. Divya Khosla, Senior Lecturer (November 2012 - March, 2013).

- 1. Grant for European Society for Medical Oncology (ESMO) Symposium on signalling pathwarp in Cancer at siltges Barcilona in March 2013-but could not avail due to administrative reasons.
- 2. Member of
 - 1. Association of Radiation Oncologist of India (AROI).
 - 2. European Society for Medical Oncology (ESMO).
 - 3. American Brachytherapy Society (ABS).

Attended the following CME as Delegate

1. CME on Recent Trends in Management of Breast and Gynaecoloist Cancer, March 2013 at PGIMER, Chandigarh.

Services:

Two years comparison in tabular form (total number of patients attended, total number of major and minor operations performed by the dept.)

Year	New	Total	Patients	Patients	Old	New	TPS	Brachytherapy
	patients	patients	admitted	admitted	patient	patients in		
	in OPD	in OPD	in Day	in RT	treated	cobalt unit		
			Care	ward	on cobalt			
			ward		unit			
2012	1793	12838	4122	992	14855	660	77	239
2011	1657	13899	3453	906	13989	583	83	47

New services started during the year

- 1. Started new service "Home Care Service for Terminally ill Cancer Patients" at Govt. Medical College, Chandigarh in 2012.
- 2. Psychologists visits our departmental OPD weekly to give advise to cancer patients.
- 3. Dieticians visit the Radiotherapy OPD for diet advise to cancer patients.

Research in Progress

- 1. "Development of an Atlas of Cancer in Punjab" funded by Indian Council for Medical Research, New Delhi.
- 2. "Complementary & Alternative Medicine (CAM) use among Cancer Patients" funded by Indian Council for Medical Research, New Delhi.

Departmental Highlights

- 1. Cobalt 60 machine is working from morning 8 am to evening 8 pm (12 hours OPD Service) without any lunch break in between.
- 2. We started the "Pain and Palliative OPD" in the year 2008 and continuing till date, with the introduction of Tab Morphine in GMCH.
- 3. Our Department is one of the few Govt. Department to start Brachytherapy service and to maintain it.
- 4. Number of new and old cancer patients has increased from two to four times in last 6 years almost in every areas of working of the Radiotherapy department.
- 5. Any cancer patient coming to Radiotherapy OPD or Radiotherapy Planning is attended from 9 am in the morning to evening 4:30 pm.
- 6. Day Care Ward of Radiotherapy is also working from 8 am morning to 6:30 pm evening without lunch break.

7. Beside proper treatment, care is also taken to provide holisitic management of cancer patients in the form of Psychotherapy, Diet advise and other related things.

With a very small team of 03 consultants and 01 Senior Resident, we are attending patients in followings areas of Department:-

- 1. Daily OPD (with average 50 patients).
- 2. External Radiotherapy (with average of 80+ patients daily).
- 3. Brachytherapy for Internal Radiotherapy (with average of 02 patients daily).
- 4. Chemotherapy Administration and further care of patients in Day Care Ward (with average of 15 patients daily).
- 5. Palliative Care for patient with advance cancer.
- 6. Pain management clinic on daily basis for patient with advance cancer.
- 7. Management of cancer patient in indoor ward including emergency call duties (with average of 3 new patient admission on daily basis and more than 100% bed occupancy).

Future Plans

In coming years the department has plan to add following facilities:

CT Simulator

New Linac with latest technology

New Cobalt unit.

To start new Radiotherapy ward with 30 bed capacity.

Space for a new cancer building to adjust its all function regarding Radiation oncology

OPD & IPD Data of Deptt Of Radiotherapy & Oncology

Year	New	Total	Patients	Patients	Old	New	TPS	Brachytherapy
	patients	patients	admitted	admitted	patient	patients		
	in OPD	in OPD	in Day	in RT	treated	in		
			Care	ward	on	cobalt		
			ward		cobalt	unit		
					unit			
2012	1793	12838	4122	992	14855	660	77	239
2011	1657	13899	3453	906	13989	583	83	47
2010	1676	13442	3008	1062	11533	491	58	N/A
2009	1584	11799	2287	990	13176	591	N/A	N/A
2008	966	9084	1740	1477	11121	563	N/A	N/A
2007	764	5902	1543			421	N/A	N/A

Indexed Publications

- 1. Sharma MK, Gour N, Pandey AK, Walia D, Dimri K. Epidemiological trends of cancer morbidity at Government Medical College, Chandigarh, Iindia. Asian Pacific J cancer Prev 2012; 13: 3531-34.
- 2. Tandon R, Goel P, Kataria S, Saha PK, Punia RPS, Dimri K. Paraneoplastic erythrocytosis in a malignant ovarian steroid cell tumour 2012, accepted for publication in Indian J Hematol blood transfuse.



DEPARTMENT OF TRANSFUSION MEDICINE

Faculty

Sabita Basu Professor & Head MD- Pathology

(Date of resignation 2.04.2013)

Ravneet Kaur Associate Professor MD- Pathology
Gagandeep Kaur Assistant Professor MD- Pathology
Paramjit Kaur Assistant Professor MD- Pathology

Dr. Ravneet Kaur

Was awarded **J.R. Jolly Award - 2012** by Indian Society of Blood Transfusion & Immunohematology for vital contribution in the field of Transfusion Medicine.

Editor of Journal - "Asian Journal of Transfusion Science."

Chairing a Session at XVI National CME in Transfusion Medicine at PGIMER, Chandigarh.

Invited guest faculty in the National conference of ISTM held at Jaipur - (Transmedcon 2012).

Member Governing Body of Indian Society of Blood Transfusion and Immunohematology.

Member of International Society

International Society of Blood Transfusion.

American Association of Blood Bank.

Conferences Attended

National conference of ISTM held at Jaipur (Transmedcon 2012)

National Conference of ISBTI held at Mamallapuram, Chennai.

XVI National CME in Transfusion Medicine at PGIMER, Chandigarh.

AIDSCON-2 held at Chandigarh

Talks delivered

- 1. Blood Transfusion practices in Gynaecology and Obstetrics TOT Programme for clinician on rational use of blood. 23rd, 26th& 27th June, 2012 (Resource Person).
- 2. Statistical tool in QC testing, 1st Annual National conference of ISTM, Jaipur Transmedcon-2012 23rd-25th Nov., 2012 (Guest Lecture)
- 3. Sensitivity, Specificity, positive and negative predictive value SIGNET workshop 7th 9th Dec, 2012 (Resource Person).

- 4. Rational Use of Blood. Civil Hospital, Ajitgarh 10th Jan., 2013 (Guest Lecture)
- 5. Donor room procedures, QC and documentation. Induction training of Medical Officer. 16th-18th Jan., 2013. (Resource Person).
- 6. TTI, QC in TTI. Induction training of Medical Officers. 16th-18th Jan., 2013,(Resource Person).
- 7. Technical issues in blood bank. Workshop by Food and Drug Administration, Haryana (Guest Lecture).
- 8. NACO training, PGIMER, Chandigarh 3rd-8th, 10th 12th 24th-29th Sept. 2012.(Resource Person)
- 9. Safe Blood Transfusion practice. Symposium for sensitization of interns (8.1.13) (Resource person).
- 10 Judicious use of Blood-AIDSCON 2 (Resource person).

Dr. Gagandeep Kaur

Chairing of a session at XVI National CME in Transfusion Medicine at PGIMER, Chandigarh.

Papers presented in conferences and CME

- 1. An analysis of ABO discrepancies in a tertiary care hospital. Transmedcon 2012 held at Jaipur.
- 2. Clinically significant anti-M antibodies-a report of two cases XVI National CMEs in Transfusion Medicine at PGIMER, Chandigarh.

Member of International Society.

Member of South Asian Association of Transfusion Medicine.

Conferences Attended

National conference of ISTM held at Jaipur - Transmedcon 2012.

XVI National CME in Transfusion Medicine at PGIMER, Chandigarh.

AIDSCON-2 held at Chandigarh.

Workshop on ICD - 10 coding held at GMCH, Chandigarh.

Talks delivered

1. Cell free fetal DNA-A new tool and its applications- Hands on Training Workshop on Molecular Biology and Cytogenetic Techniques 3rd-5th Dec. 2012.(Guest Lecture)

- 2. Biosafety Induction training of Medical Officer of Nalyana 16th -18th Jan. 2013 (Resource Person).
- 3. Component preparation, indications & storage Induction training of Medical Officer 16th 18th Jan. 2013 (Resource Person).
- 4. Need of platelet pheresis donor AIDSCON-2 (Resource Person)
- 5. Newer techniques in blood banking at CSIO, Chandigarh on 29.10.12 & 18.05.2012(Guest Lecture)
- 6. Safe Blood Transfusion practice symposium for sensitization of interns.8.1.13(Resource Person)
- 7. Significance of p value and sample size-SIGNET held at GMCH-32, Chandigarh.(Resource Person)

Dr. Paramjit Kaur

Paper Presented in conferences & CME

1. Anti N in a patient of renal failure on hemodialysis XVI National CME in Transfusion Medicine held at PGIMER, Chandigarh.

Member of International Society

Member of South Asian Association of Transfusion Medicine.

Conferences Attended

XVI National CME in Transfusion Medicine at PGIMER, Chandigarh,

AIDSCON-2 held at Chandigarh.

- 1. Regional workshop on Implementation of Quality management system in Blood Banks NACO, Chandigarh.
- 2. Workshop on ICD 10 coding held at GMCH, Chandigarh.

Talks delivered:

- 1. Basic Immunohematology Induction Training of Medical Officers 16th -18th Jan. 2013(Resource person)
- 2. Administration of Blood Induction Training of Medical Officers 16th -18th Jan. 2013(Resource person)
- 3. Workup of Transfusion reactions Induction Training of Medical Officers 16th -18th Jan. 2013(Resource Person)

4. Safe Blood Transfusion practice symposium for sensitization of interns 8th January 2013(Resource Person)

Service

1. The Department of Transfusion Medicine is actively involved in voluntary blood donation programme. A total of 14,081 units were collected in the year April 2012 to March 2013 of which 89.6% was from voluntary blood donors. 9661 components were made and 325 apheresis procedures were done in this time period.

	2011-2012	2012-2013
Total donations	12699	14081
Camps	116	142
Voluntary Blood Donations	11370	12617
Component preparation	7442	9661
Apheresis procedures	97	325
New Thalassemic patients	10	26

3. Training

- 1. At present total of 8 students are undergoing training for MD Transfusion Medicine. 3 students have already passed their MD examination.
- 2. All the BSc (MLT & Anaesthesia) students have a rotational training in the department where regular classes. (both theoretical & practical) are held for them.
- 3. An induction training was held in the department for Haryana SBTC in the months of January 13 and February 13. Where around 100 private. Blood Bank Medical Officer and lab technicians were trained on blood safety.
- 4. Sensitization programme of interns on "Safe transfusion practices" on 8th January 2013.

Research completed during the year

Project-ICMR Funded

A study on Irregular Red Cell Antibodies in Pregnancy and its risk for hemolytic disease of fetus and newborn was conducted under ICMR sponsored Project with Dr. Sabita Basu as the Principal Investigator from the year 2010-2012.

Departmental Highlights

1. A total of 142 camps were organized in the year 2012-13 and 89.6% (12,617/14,081) of blood units were collected from voluntary blood donors.

- 2. 325 apheresis procedures were conducted during last year which was extremely useful during dengue outbreaks in the tricity.
- 3. The department was recognized as training centre for Medical Officers and Technicians by Haryana State AIDS Control Society.
- 4. The post graduation course of Transfusion Medicine was recognized by Medical Council of India.

Indexed publications

- 1. Basu S, Kaur R, Kaur G, Kaur P, Tahlan A. Nonspecific red cell aggregation interferes in the interpretation of gel test results Asian J Transfus Sci 2012;6:44.
- 2. Kaur G, Basu S, Kaur P, Kaur R. Clinically significant anti M antibodies-a report of two cases. Transfus and Aph Sci 2012;47:259-261.
- 3. Kaur R, Jain A. Rare blood donor program in the country: Right time to start Asian J Transfus Sci 2012;6:1-2.
- 4. Jain A, Kaur R. Hemovigilance and blood safety. Asian J of Transfus Sci 2012;137-138.
- 5. Bajpai M, Kaur R, Gupta E. Automation in Immunohematology. Asian J of Transfus Sci.2012:6:140-144.
- 6. Malhotra S, Kaur G, Basu S, Kaur R. Alloimmunization to Kell blood group system antigen owing to unmatched blood transfusion in a resource poor setting. Immunohematol 2012:28(2):45-

48.

- 7. Singh L, Malhotra S, Kaur G, Basu S, Kaur R. Autoimmune Hemolytic anemia due to auto anti-N in a patient with sepsis. Transfus & Aph Sci 2012;47:269-70.
- Kaur P. Basu S, Kaur G, Kaur R. Transfusion issues in Surgery. Internet J Med update . 2013;8:46-50.
- Kaur P, Basu S, Kaur G, Kaur R. An analysis of the pattern of blood requisition and utilization in a tertiary care centre Nat J Integrated Research Med 2013;4:123-127.

Non-indexed publications

- 1. Jhajj KK, Kaur P, Sandhu SK Nibhoria S. Pulmonary candidiasis: incidental cause of death made on autopsy. Indian J Forensic Med Toxicol 2012;6:61-63.
- 2. Kaur R. Hemovigilance-The Gobal Scenario. Blood bank chronicles Vol 2 Jan.-March, 2013.

Voluntary Blood Donors donating blood on World Blood Donors Day



1st Batch of Medical Officers from Haryana Trained in the Department of Transfusion Medicine, GMCH, Chandigarh

