CRAILLOUS DISEASE OF INSE

Bacterial

- Rhinoscleroma
- Syphilis
- Tuberculosis and Lupus vulgaris
- Leprosy

Fungal

- Rhinosporodiosis
- Aspergillosis
- Mucormycosis
- Candidiasis

Others

- Wegenor's granulomatosis
- Midline granuloma
- Sarcoidosis

Rhinoscleroma

- Caused by Klebsiella rhinoscleromatis (Frisch bacillus), a gram negative bacillus
- any age and sex
- Primary site is nose



- 1. catarrhal stage
- 2. Atrophic stage
- 3. Granulomatous stage(woody nose)
- 4. Cicatricial stage





Herba nose

•Diagnosis

Biopsy

infiltration of submucosa with

- Plasma cell
- Lymphocytes
- Eosinophils
- Mikulicz cell
- Russell body



•Treatment

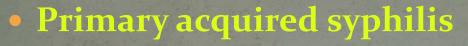
- Streptomycin (1 g/day for 4 weeks) plus tetracycline (2 g/day) is the recommended treatment regimen for rhinoscleroma. A second course of this therapy is repeated after 1 month. Even during the acute or granulomatous stage, this will give a 60% to 70% cure rate.
- Corticosteroids
- Surgical treatment

Syphilis

- Congenital
 - Early form
 - Late form

- Acquired
 - Primary (chancre)
 - Secondary
 - Tertiary (gumma)

- Early congenital syphilis
 - Purulent nasal discharge
 - Fissuring and excoriation of nasal vestibule
- Late congenital syphilis
 - Gummatous lesion destroy the nasal structure
 - Corneal opacity
 - Deafness
 - Hutchinson's teeth



- Primary chancre
- Secondary acquired syphilis
 - Lymphadenitis, mucosal patch, fissures and crusts
- Tertiary syphilis
 - Gummatous lesion

Diagnosis

- VDRL
- Biopsy

- TPHA
- FTA-ABS



Benzathine penicillin 2.4 million units i.m weekly x 3week

Complications

- 1. Vestibular stenosis
- 2. Perforation of nasal septum
- 3. Secondary atrophic rhinitis
- 4. Saddle nose deformity



Syphilis gumma



Tuberculosis

- Primary nasal infection is rare
- Secondary to pulmonary T.B.
- Nodular infiltration of anterior part
- Ulceration and perforation of the cartilaginous part of the septum
- Diagnosis by Biopsy
- Anti tubercular drug is the t/t

Lupus vulgaris

- Low grade tubercular infection
- Commonly involve the nasal vestibule and skin of the face
- Characteristic feature is "apple-gelly nodules" brown, gelatinous nodules
- Perforation of the cartilaginous septum
- Biopsy is diagnostic
- Anti-Tubercular t/t.





Leprosy

- Caused by M.leprae
- Mostly by Lepromatous leprosy
- Starts from the nasal vestibule and involve the septum and inf turbinate
- Nodular lesion → Ulcers → Perforation Atrophic rhinitis → Retraction of collumela
- Diagnosis by Biopsy
- Anti-leprotic therapy



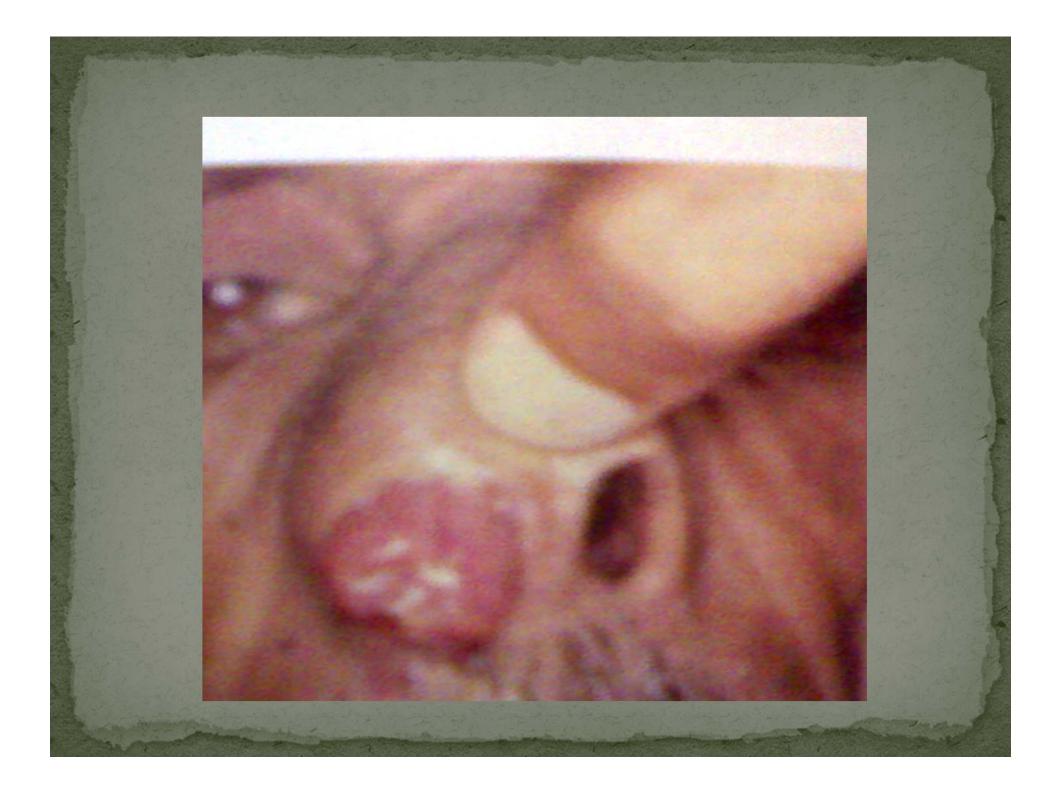


Dapsone (100 mg/d)
plus clofazimine (50 mg/d),
unsupervised; and rifampin (600 mg) plus clofazimine (300 mg)
monthly (supervised) for 1-2 years

Rhinosporidiosis

- Caused by R. seeberi (fungus)
- Seen in India ,Pakistan, Sri Lanka
- Source of infection Infected pond
- Mostly affects –Nose & Nasopharynx
- Symptoms Nasal obst & discharge, epistaxis
- Signs Leaf like polypoid mass, pink to purple color
- Diagnosis Biopsy
- T/t Exn & Cautsn of base

(Chronic- Dapsone)







Aspergillosis

- Caused by A.niger, fumigatous, flavus
- Immunocompromised pt
- C/f -Acute or Sub acute rhinitis or sinusitis with cheesy white or black materials in the sinuses
- T/t Surgical debridement with anti-fungal drugs (Irrigation with gentian violet soln 1% is helpful)



Mucormycosis

- Found in uncontrolled diabetics and pt with immunosuppressive therapy
- Rapidly fatal condition
- Affinity of the fungus to artery ,causes thrombosis
- Black necrotic mass eroding the septum and hard palate
- T/t Surgical debridement, amphotericin B ,control of underlying cause.











Wegener's Granulomatosis

- Etiology is Unknown
- Involves Upper airway, lung, kidney and skin.
- Nose Purulent or blood stained nasal discharge, crusting ,granulation,septal perforation
- Destruction of the eye, orbit, palate, oral cavity, or opharynx and sometimes middle ear.



- Lungs Cough,haemoptysis ,Single or multiple cavity in x-ray
- Kidney red cells,casts,albumin in urine, raised serum creatinin
- Gen symptoms Anaemia, fatigue, night sweat, migratory arthralgia
- Diagnosis Biopsy
- T/t Systemic steroid, cytotoxic drugs Azathioprine, cyclophosphamide

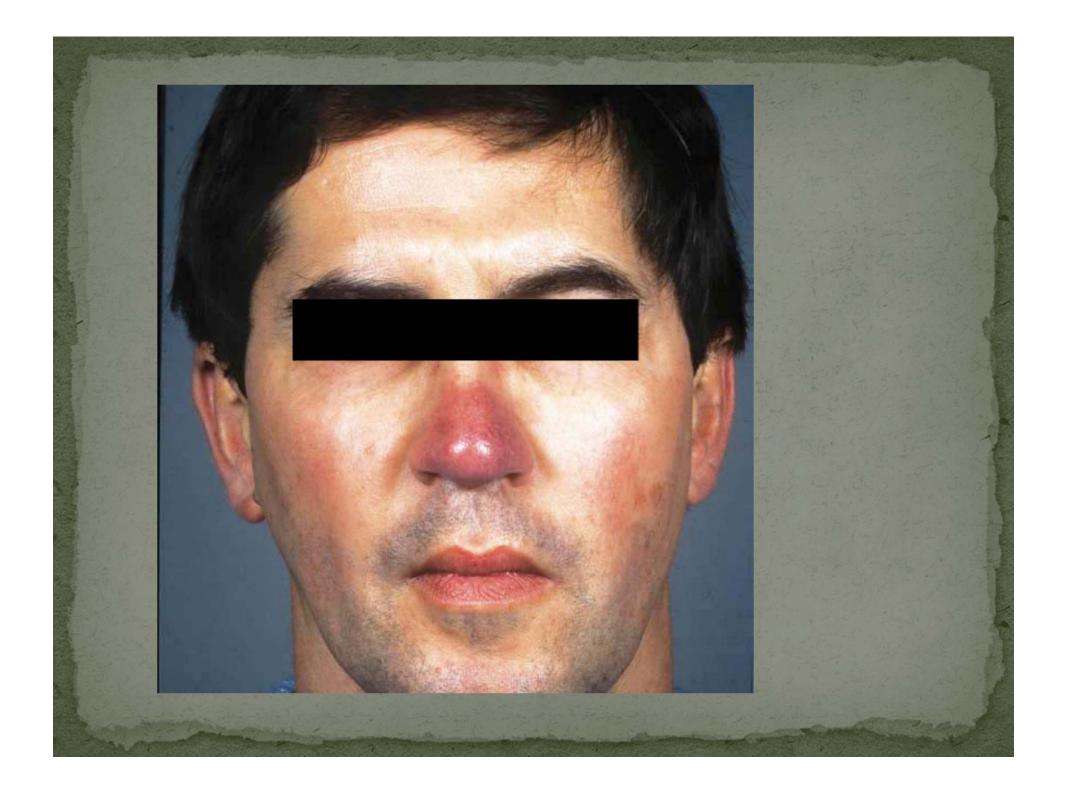
Non healing midline granuloma

- Believe to be a type of Lymphoma
- Destructive disease in the nose and mid facial region
- Differentiated from Wegener's granulomatosis by absence of pulmonary and renal involvement.
- Diagnosis Biopsy
- T/t Radiotherapy and surgical debridement

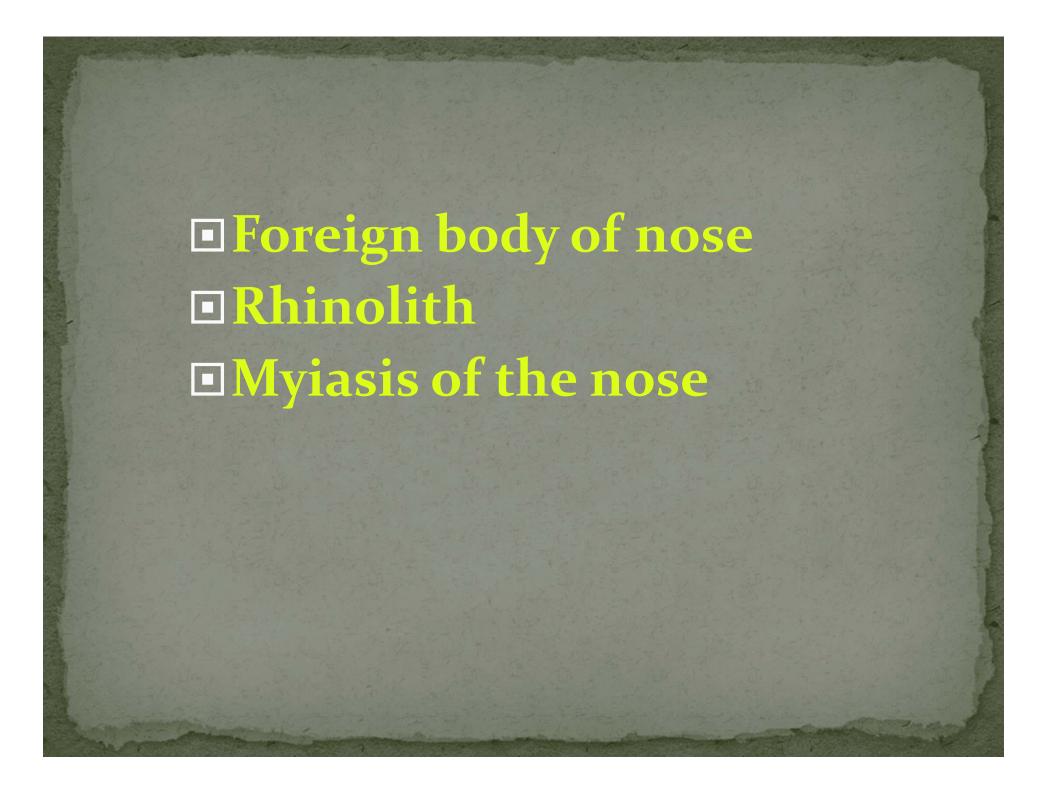


Sarcoidosis

- Unknown etiology
- Involve lung ,lymphnode,eye and skin
- Nose Sub mucosal nodule, nasal pain, obstruction, epistaxis
- Diffuse pulmonary infiltration with hilar adenopathy on x-ray
- Serum urinary calcium level -raised
- T/t Systemic and local steroid



Thank you





- STONE FORMATION IN THE NASAL CAVITY
- DUE TO DEPOSITION OF THE CALCIUM AND MAGNECIUM SALT
- COMMON IN ADULTS
- C/F UNILATERAL NASAL OBSTRUCTION, FOUL SMELLING NASAL DISCHARGE OFTEN BLOOD STAINED
- O/E GREY BROWN OR GREENISH BLACK MASS WITH STONY HARD FEEL FOUND
- T/T REMOVAL UNDER GENERAL ANAESTHESIA









- Larva form of flies
- Species Chrysomia
- Secondary to Atrophic rhinitis, syphilis, leprosy,
- Lays egg 200 at times
- Pain, bleeding nose, and complications
- T/t Chloroform water, Turpentine oil





