

Department of Neonatology

List of Research projects in progress.	1. Resuscitation with umbilical cord intact in term and late preterm neonates (RECORD-IN trial) 2. Sankalp: Strengthening Program Implementation and Monitoring to Achieve Single-digit Neonatal Mortality- Khargone 3. Sankalp: Strengthening Program Implementation and Monitoring to Achieve Single-digit Neonatal Mortality- Ambala 4. Selective Antibiotics when symptoms develop versus Universal antibiotic therapy for Neonates At-risk of early-onset sepsis: a multicentric, randomized, controlled, non-inferiority trial (the SAUNA trial) 5. Pro-inflammatory markers in neonates with severe birth asphyxia 6. Application of expanded newborn screening by integration of metabolomics and genomics for second tier DNA analysis 7. NINJA: Non-invasive neonate jaundice estimation using artificial intelligence 8. Non-contact small form-factor neonatal apnea monitoring device
--	---

Publications of 2023

1: Chawla D. Kangaroo Mother Care and Neonatal Skin Microbiome. Indian J Pediatr. 2024 Mar;91(3):213-214. doi: 10.1007/s12098-023-04984-0. Epub 2023 Dec 20. PMID: 38114861.

2: Garg K, Bhandari RK, Shafiq N, Jain S, Jaswal S, Chawla D, Mallayasamy S, Khurana S, Batcha JSD. Population pharmacokinetics of ciprofloxacin in newborns with early onset neonatal sepsis and suspected meningitis. Pediatr Res. 2024 Apr;95(5):1273-1278. doi: 10.1038/s41390-023-02941-3. Epub 2023 Dec 7. PMID: 38062257.

3: Jain S, Bansal A, Khurana S, Chawla D. Quality improvement initiative for a sustained increase in human milk donation during the hospital stay. BMJ Open Qual. 2023 Oct;12(Suppl 3):e002133. doi: 10.1136/bmjopen-2022-002133. PMID: 37863506; PMCID: PMC10603414.

4: Chawla D. Short-Course Therapy for Pediatric Urinary Tract Infections: Evidence-Based Medicine Viewpoint. Indian Pediatr. 2023 Sep 15;60(9):762-764. PMID: 37705268.

5: Chawla D. Blood Pressure Monitoring for Predicting Mortality in Neonatal Sepsis. Indian J Pediatr. 2023 Nov;90(11):1071-1072. doi: 10.1007/s12098-023-04802-7. Epub 2023 Aug 17. PMID: 37587383.

6: Singh K, Chawla D, Jain S, Khurana S, Takkar N. Immediate skin-to-skin contact versus care under radiant warmer at birth in moderate to late preterm neonates - A randomized controlled trial. Resuscitation. 2023 Aug;189:109840. doi: 10.1016/j.resuscitation.2023.109840. Epub 2023 May 15. PMID: 37196802.

7: Chawla D. Sighs, Stops, and Swings: Breathing in Preterm Neonates. Indian J Pediatr. 2023 Jul;90(7):643-644. doi: 10.1007/s12098-023-04650-5. Epub 2023 May 15. PMID: 37184717.

8: Khurana S. Surfactant administration during endotracheal CPAP-Is DD-Surf comparable to LISA? Acta Paediatr. 2023 Aug;112(8):1808-1809. doi:

10.1111/apa.16834. Epub 2023 May 17. PMID: 37163241.

9: Chawla D. Diagnosis of Shock in Neonates: Need for Multimodal Monitoring. Indian Pediatr. 2023 May 15;60(5):343-344. PMID: 37161954.

10: Chawla D. Survival of Extremely-Low-Birth-Weight Neonates in India. Indian J Pediatr. 2023 Mar;90(3):217-218. doi: 10.1007/s12098-023-04479-y. Epub 2023 Jan 27. PMID: 36705808.

Dr Deepak Chawla MD, DM (Neonatology), FNNF
Professor | Department of Neonatology
Government Medical College and Hospital | Sector 32 | Chandigarh 160 030 India
Contact (O): +91-172-2504423 | (M) : +91-9646121559
ORCID ID: <https://orcid.org/0000-0001-8458-037X>
NDHM DigiDoctor ID: 10-0600-1388-2065
