

Halder A, Adhikari A, Ghosh R, Singh S, Banerjee A, Ghosh N, Bhattacharya AM, Mandal S, Chakrabarti P, Bhattacharyya D, Altass HM, Morad M, Ahmed SA, Mallick AK, Pal SK. Large Scale Validation of a New Non-Invasive and Non-Contact Bilirubinometer in Neonates with Risk Factors. *Scientific reports*. 2020 Jul 7;10(1):1-4 .Mallick A, Banerjee M, Mondal B, Mandal S, Acharya B, Basu B. A Quality Improvement Initiative for Early Initiation of Emergency Management for Sick Neonates. *Indian Pediatr*. 2018 Sep 15;55(9):768- 72. Halder A, Banerjee M, Singh S, Adhikari A, Sarkar PK, Bhattacharya AM, Chakrabarti P, Bhattacharyya D, Mallick AK, Pal SK. A Novel Whole Spectrum-Based Non-Invasive Screening Device for Neonatal Hyperbilirubinemia. *IEEE journal of biomedical and health informatics*. 2019 Jan 14;23(6):2347-53. 4.Adhikari A, Mondal S, Das M, Biswas P, Pal U, Darbar S, Bhattacharya SS, Pal D, Saha- Dasgupta T, Das AK, Mallick AK. Incorporation of a Biocompatible Nanozyme in Cellular Antioxidant Enzyme Cascade Reverses Huntington's Like Disorder in Preclinical Model. *Advanced Healthcare Materials*. 2021 Apr;10(7):2001736. 5.Adhikari A, Mondal S, Das M, Ghosh R, Biswas P, Darbar S, Singh S, Das AK, Bhattacharya SS, Pal D, Mallick AK. Redox Buffering Capacity of Nanomaterials as an Index of ROS-based Therapeutics and Toxicity: A Preclinical Animal Study. *ACS Biomaterials Science & Engineering*. 2021 Jan 1;7(6):2475–2484 6.Bhattacharyya N, Singh S, Halder A, Adhikari A, Ghosh R, Shikha D, Tripathi SK, Mallick AK, Mondal P, Pal SK. An Energy-Resolved Optical Non-invasive Device Detects Essential Electrolyte Balance in Humans at Point-of-Care. *Transactions of the Indian National Academy of Engineering*. 2021 Jun;6(2):355-64. 7.Tripathy I, Panja A, Dolai TK, Mallick AK. Comparative Efficacy and Safety Between Deferiprone and Deferasirox with Special Reference to Serum Ferritin Level and Cardiac Function in Bengali β -Thalassemia Major Children. *Hemoglobin*. 2021 Nov 10:1-7. 8.Mandal S, Banerjee M, Ghosh P, Mallick AK, Kanjilal S. Early Detection of Hearing Impairment in High-Risk Newborns. *Pediatr Oncall J*. 2019;16(4):111-4. 9.Adhikari A, Bhutani VK, Mondal S, Das M, Darbar S, Ghosh R, Polley N, Das AK, Bhattacharya SS, Pal D, Mallick AK. A Nanoceutical Agent for Chemoprevention of Bilirubin Encephalopathy. *bioRxiv*. 2021 Jan 1:2020-12. 10. andal S, Banerjee M, Mallick AK. Congenital Candidiasis. *PediatricOnCall*. 2019;16(2):49-50. 11. Mandal S, Banerjee M, Mallick AK. Congenital Candidiasis in ANewborn. *Journal of the Pediatrics Association of India*. 2018 Apr