

Key Publications of the division

1. Bhavnani S, Lockwood Estrin G, Arora R, Kumar D, Kakra M, Vajaratkar V, Juneja M, Gulati S, Patel V, Green J, Divan G. "I was Confused ... and Still am" Barriers Impacting the Help-Seeking Pathway for an Autism Diagnosis in Urban North India: A Mixed Methods Study. *J Autism Dev Disord.* 2022 Apr;52(4):1778-1788.
2. Shruthi NM, Sinha R, Gulati S. Comatose Child: A practical approach. In: Lodha R, Kabra SK. *PICU Protocols of AIIMS, 8th ed.* New Delhi (India): Indian Journal of Pediatrics; 2022, p4-27
3. Sondhi V, Gulati S. Management of Raised Intracranial Pressure. In: Lodha R, Kabra SK. *PICU Protocols of AIIMS, 8th ed.* New Delhi (India): Indian Journal of Pediatrics;p52-75
4. Madaan P, Gupta J, Gulati S. Approach to Convulsive Status Epilepticus in Children. In: Lodha R, Kabra SK. *PICU Protocols of AIIMS, 8th ed.* New Delhi (India): Indian Journal of Pediatrics;p28-51
5. Madaan P, Gupta D, Agrawal D, Kumar A, Jauhari P, Chakrabarty B, Sharma S, Pandey RM, Paul VK, Misra MC, Gulati S. Neurocognitive Outcomes and Their Diffusion Tensor Imaging Correlates in Children With Mild Traumatic Brain Injury. *J Child Neurol.* 2021 Jul;36(8):664-672.
6. Anand S, Agarwala S, Jain V, Bakhshi S, Dhua A, Gulati S, Seth R, Srinivas M, Jana M, Kandasamy D, Bhatnagar V. Neuroblastoma With Opsoclonus-Myoclonus-Ataxia Syndrome: Role of Chemotherapy in the Management: Experience From a Tertiary Care Center in a Resource-limited Setting. *J Pediatr Hematol Oncol.* 2021 Oct 1;43(7):e924-e929.
7. Pathak P, Sharma MC, Jha P, Sarkar C, Faruq M, Jha P, et al. Mutational spectrum of capn3 with genotype-phenotype correlations in limb girdle muscular dystrophy type 2a/r1 (lgmd2a/lgmdr1) patients in India. *J Neuromuscul Dis.* 2021;8(1):125–36.
8. Panda PK, Gupta J, Chowdhury SR, Kumar R, Meena AK, Madaan P, Sharawat IK, Gulati S. Psychological and behavioral impact of lockdown and quarantine measures for covid-19 pandemic on children, adolescents and caregivers: A systematic review and meta-analysis. *J Trop Pediatr.* 2021 Jan 29;67(1).
9. Anand V, Shukla G, Gupta N, Gupta A, Sapra S, Gulati S, Pandey RM, Pandey S, Kabra M. Association of sleep apnea with development and behavior in Down syndrome: A prospective clinical and polysomnographic study. *Pediatr Neurol.* 2021 Mar;116:7-13.
10. Jurek L, Baltazar M, Gulati S, Novakovic N, Núñez M, Oakley J, O'Hagan A. Response (minimum clinically relevant change) in ASD symptoms after an intervention according to CARS-2: consensus from an expert elicitation procedure. *Eur Child Adolesc Psychiatry.* 2021 Apr 7:1–10.
11. Lakshminarayanan K, Agarawal A, Panda PK, Sinha R, Tripathi M, Pandey RM, Gulati S. Efficacy of low glycemic index diet therapy (LGIT) in children aged 2-8 years with drug-resistant epilepsy: A randomized controlled trial. *Epilepsy Res.* 2021 Mar; 171:106574.
12. Singh S, Gulati S. Genetic Polymorphisms of UDP-Glucuronosyltransferases and Plasma Sodium Valproate Level. *Indian J Pediatr.* 2021 Aug;88(8):747-748.
13. Zulfiqar L, Chakrabarty B, Gulati S, Jauhari P, Pandey RM, Tripathi M, et al. The Childhood and Adolescent Sleep Evaluation Questionnaire (CASEQ): Development and validation of an ICSD-3-based screening instrument, a community and hospital-based study. *J Sleep Res.* 2021 Sep 8; e13479.

14. Sudarshan S, Kumar A, Gupta A, Bhari N, Sethuraman G, Kaushal T, Gulati S et al. mutation spectrum of tuberous sclerosis complex patients in Indian population. *J Pediatr Genet*. 2021 Dec;10(4):274–83.
15. Borlot F, Abushama A, Morrison-Levy N, Jain P, PuthenveetilVinayan K, Abukhalid M, Aldhalaan HM, Almuzaini HS, Gulati S, Hershkovitz T, Konanki R, Lingappa L, Luat AF, Shafi S, Tabarki B, Thomas M, Yoganathan S, Alfadhel M, Arya R, Donner EJ, Ehaideb SN, Gowda VK, Jain V, Madaan P, Myers KA, Otsubo H, Panda P, Sahu JK, Sampaio LPB, Sharma S, Simard-Tremblay E, Zak M, Whitney R. KCNT1-related epilepsy: An international multicenter cohort of 27 pediatric cases. *Epilepsia*. 2020 Apr;61(4):679-692.
16. Gupta J, Madaan P, Chowdhury SR, Gulati S. COVID-19 and Pediatric Neurology Practice in a Developing Country. *Pediatr Neurol*. 2020 Dec;113:1.
17. Gulati S, Gupta J, Madaan P. COVID-19 and child neurology care. *Neurol India*. 2020 Aug;68(4):952–4.
18. Sinha R, Anand V, Gupta J, Singh S, Gulati S. Infantile spasms and COVID-19: Challenges and solutions in resource-limited settings. *Epilepsy Res*. 2020 Aug 18; 167:106441.
19. Konanki R, Gulati S, Prasad K, Saini L, Pandey RM, Paul VK. Comparison of telephone with face-to-face consultation for follow up of Neurocysticercosis. *Epilepsy Res*. 2018 Sep;145:110–5.
20. Sondhi V, Agarwala A, Pandey RM, Chakrabarty B, Jauhari P, Lodha R, Gulati S et al. Efficacy of ketogenic diet, modified atkins diet, and low glycemic index therapy diet among children with drug-resistant epilepsy: A randomized clinical trial. *JAMA Pediatr*. 2020 Oct 1;174(10):944–51.
21. Manokaran RK, Tripathi M, Chakrabarty B, Pandey RM, Gulati S. Sleep abnormalities and polysomnographic profile in children with drug-resistant epilepsy. *Seizure*. 2020 Nov;82:59–64.
22. Gupta J, Chakrabarty B, Singh G, Singh S, Kumar A, Xess I, Gulati S. A rare infective cause of stroke in an immunocompetent child. *Brain Dev*. 2021 Jan;43(1):152-156
23. Madaan P, Agrawal D, Gupta D, Kumar A, Jauhari P, Chakrabarty B, Gulati S. Clinic-epidemiologic profile of pediatric traumatic brain injury: experience of a tertiary care hospital from northern India. *J Child Neurol*. 2020 Dec;35(14):970-974.
24. Gulati S, Shruthi NM, Panda PK, Sharawat IK, Josey M, Pandey RM. Telephone-based follow-up of children with epilepsy: Comparison of accuracy between a specialty nurse and a pediatric neurology fellow. *Seizure*. 2020 Dec;83:98–103.
25. Joshi R, Tripathi M, Gupta P, Gulati S, Gupta YK. Prescription pattern of antiepileptic drugs in a tertiary care center of India. *Indian J Pharmacol*. 2020 Jul-Aug;52(4):283-289.
26. Gulati S, Saini L, Kaushik JS, Chakrabarty B, Arora NK, Pandey RM, et al. The development and validation of DSM 5-Based AIIMS-Modified INDT ADHD tool for diagnosis of ADHD: A diagnostic test evaluation study. *Neurol India*. 2020 Apr;68(2):352–7.
27. Gupta, J., Madaan, P., Gulati, Sh. COVID-19: Implications for children with special needs. *Jourreatther dev div*. 2020 Jul 05;3(1):1-3.
28. GUaRDIAN Consortium, Sivasubbu S, Scaria V. Genomics of rare genetic diseases-experiences from India. *Hum Genomics*. 2019 Sep 25;14(1):52.
29. Shubham S, Dhochak N, Singh A, Patel SK, Chakrabarty B, Sankar J, Gulati S, Kabra SK, Jaryal AK, Lodha R. Polyneuropathy in Critically Ill Mechanically Ventilated Children: Experience From a Tertiary Care Hospital in North India. *Pediatr Crit Care Med*. 2019 Sep;20(9):826-831.
30. Pathak D, Srivastava AK, Gulati S, Rajeswari MR. Assessment of cell-free levels of iron and copper in patients with Friedreich’s ataxia. *Biometals*. 2019 Apr;32(2):307–15.

31. Sudarshan S, Kumar M, Kaur P, Kumar A, G S, Sapra S, Gulati S et al. Decoding of novel missense TSC2 gene variants using in-silico methods. *BMC Med Genet.* 2019 26;20(1):164.
32. Madaan P, Jauhari P, Shruthi NM, Chakrabarty B, Gulati S. Intravenous immunoglobulin for severe protracted pediatric guillain-barre syndrome: is single dose adequate? *Ann Indian Acad Neurol.* 2019 Mar;22(1):123–4.
33. Madaan P, Jauhari P, Chakrabarty B, Gulati S. Ketogenic Diet in Epilepsy of Infancy With Migrating Focal Seizures. *Pediatr Neurol.* 2019 Jun;95:92.
34. Madaan P, Jauhari P, Chakrabarty B, Gulati S. Jeavons Syndrome: An Overlooked Epilepsy Syndrome. *Pediatr Neurol.* 2019 Apr;93:63.
35. Gulati S, Kaushik JS, Saini L, Sondhi V, Madaan P, Arora NK, Pandey RM, Jauhari P, Manokaran RK, Sapra S, Sharma S, Paul VK, Sagar R. Development and validation of DSM-5 based diagnostic tool for children with Autism Spectrum Disorder. *PLoS One.* 2019 Mar 13;14(3):e0213242. doi: 10.1371/journal.pone.0213242.
36. Kumar R, Khakha DC, Gulati S, Kaushik JS. Impact of structured teaching program on the parent's knowledge of domiciliary management of seizure-A randomized controlled trial. *Epilepsy Behav.* 2019 Mar;92:191–4.
37. Michael SN, Madaan P, Jauhari P, Chakrabarty B, Kumar A, Gulati S. Selective pyramidal tract involvement in late-onset krabbe disease. *Indian J Pediatr.* 2019 Oct;86(10):970–1.
38. Srivastava K, Sehgal R, Konanki R, Jain R, Sharma S, Mittal R; Association of Child Neurology (AOCN)-Indian Epilepsy Society (IES) SOLACE Expert Group, Hedge A, Aggarwal A, Chattopadhyay A, Patra B, Kaushik JS, Lingappa L, Sankhyan N, Kapoor P, Singhi P, Aneja S, Gulati S, Kanhere S, Rajadhyakshya S, Kalra V, Gupta VB, Udani V, Sudan Y, Mehendiratta MM, Tripathi M, Subhash GT, Bharti B, Rao S, Naseem M, Mukherjee S, Jain P, Khosla M, Shanbagh K, Jain D, Mansingh S, Yadav D, Singh C, Raina S, Srivastava S, Ahuja L, Kumar R, Vinayan KP, Jain R, Jain S, Mishra D. Association of Child Neurology-Indian Epilepsy Society Consensus Document on Parental Counseling of Children with Epilepsy. *Indian J Pediatr.* 2019 Jul;86(7):608-616.
39. Sehgal R, Gulati S, Gupta YK, Sapra S, Mehta M, Pandey RM, Gulati S et al. Blood heavy metal levels in children with autism spectrum disorder: a cross-sectional study from northern India. *Journal of Nepal Paediatric Society.* 2019 Apr 27;39(1):6–14.
40. Pathak D, Srivastava AK, Padma MV, Gulati S, Rajeswari MR. Quantitative proteomic and network analysis of differentially expressed proteins in pbmc of friedreich's ataxia (frda) patients. *Front Neurosci.* 2019 Oct 14;13:1054.
41. Shukla G, Gupta A, Chakravarty K, Joseph AA, Ravindranath A, Mehta M, Gulati S et al. Rapid eye movement (rem) sleep behavior disorder and rem sleep without atonia in the young. *Can J Neurol Sci.* 2019 Sep 24;1–9.
42. Kaushik JS, Kadwa RA, Sahu JK, Sharma S, Mittal R; Association of Child Neurology (AOCN)-Indian Epilepsy Society (IES) SOLACE Expert Group. Association of Child Neurology-Indian Epilepsy Society Consensus Document on Social and Legal Aspects of Childhood Epilepsy (SOLACE). *Indian J Pediatr.* 2019 Jul;86(7):599-607.
43. Arora NK, Nair MKC, Gulati S, Deshmukh V, Mohapatra A, Mishra D, Patel V, Pandey RM, Das BC, Divan G, Murthy GVS, Sharma TD, Sapra S, Aneja S, Juneja M, Reddy SK, Suman P, Mukherjee SB, Dasgupta R, Tudu P, Das MK, Bhutani VK, Durkin MS, Pinto-Martin J, Silberberg DH, Sagar R, Ahmed F, Babu N, Bavdekar S, Chandra V, Chaudhuri Z, Dada T, Dass

- R, Gourie-Devi M, Remadevi S, Gupta JC, Handa KK, Kalra V, Karande S, Konanki R, Kulkarni M, Kumar R, Maria A, Masoodi MA, Mehta M, Mohanty SK, Nair H, Natarajan P, Niswade AK, Prasad A, Rai SK, Russell PSS, Saxena R, Sharma S, Singh AK, Singh GB, Sumaraj L, Suresh S, Thakar A, Parthasarathy S, Vyas B, Panigrahi A, Saroch MK, Shukla R, Rao KVR, Silveira MP, Singh S, Vajaratkar V. Neurodevelopmental disorders in children aged 2-9 years: Population-based burden estimates across five regions in India. *PLoS Med.* 2018 Jul 24;15(7):e1002615.
44. Gulati S, Sondhi V. Cerebral palsy: An Overview. *Indian J Pediatr.* 2018 Nov;85(11):1006–16.
 45. Hamilton EMC, van der Lei HDW, Vermeulen G, Gerver JAM, Lourenço CM, Naidu S, Mierzewska H, Gemke RBB, de Vet HCW, Uitdehaag BMJ, Lissenberg-Witte BI; VWM Research Group, van der Knaap MS. Natural History of Vanishing White Matter. *Ann Neurol.* 2018 Aug;84(2):274-288.
 46. Madaan P, Gulati S, Chakrabarty B, Sapra S, Sagar R, Mohammad A, et al. Clinical spectrum of psychogenic non epileptic seizures in children; an observational study. *Seizure.* 2018 Jul; 59:60–6.
 47. Dantham S, Srivastava AK, Gulati S, Rajeswari MR. Differentially Regulated Cell-Free MicroRNAs in the Plasma of Friedreich's Ataxia Patients and Their Association with Disease Pathology. *Neuropediatrics.* 2018 Feb;49(1):35-43.
 48. Nambirajan A, Suri V, Kedia S, Goyal K, Malgulwar PB, Khanna G, Gulati S et al. Paediatric diffuse leptomeningeal tumor with glial and neuronal differentiation harboring chromosome 1p/19q co-deletion and H3.3 K27M mutation: unusual molecular profile and its therapeutic implications. *Brain Tumor Pathol.* 2018 Jul;35(3):186–91.
 49. Choudhary A, Gulati S, Sagar R, Sankhyani N, Sripatha K. Childhood epilepsy and ADHD comorbidity in an Indian tertiary medical center outpatient population. *Sci Rep.* 2018 Feb 8;8(1):2670.
 50. Bajaj J, Tripathi M, Dwivedi R, Sapra S, Gulati S, Garg A, et al. Does surgery help in reducing stigma associated with drug refractory epilepsy in children? *Epilepsy Behav.* 2018 Mar;80:197–201.
 51. Konanki R, Gulati S, Prasad K, Saini L, Pandey RM, Paul VK. Comparison of telephone with face to face consultation for follow up of Neurocysticercosis. *Epilepsy Res.* 2018 Sep;145:110-115.
 52. Gulati S. Dietary Therapies: Emerging Paradigms in Therapy of Drug Resistant Epilepsy in Children : Based on 6th Dr. I. C. Verma Excellence in Research Award Oration. *Indian J Pediatr.* 2018 Nov;85(11):1000–5.
 53. Vellarikkal SK, Jayarajan R, Verma A, Ravi R, Senthilvel V, Kumar A, et al. A founder mutation MLC1 c.736delA associated with megalencephalic leukoencephalopathy with subcortical cysts-1 in north Indian kindred. *Clin Genet.* 2018 Aug;94(2):271–3.
 54. Gulati S, Sondhi V, Chakrabarty B, Jauhari P, Lodha R, Sankar J. High dose phenobarbitone coma in pediatric refractory status epilepticus; a retrospective case record analysis, a proposed protocol and review of literature. *Brain Dev.* 2018 Apr;40(4):316–24.
 55. Chakrabarty B, Gulati S. Autism Spectrum Disorder: Sleep Morbidities and Sensory Impairment; Emerging Paradigm in Research and Management. *Indian J Pediatr.* 2019 Jan;86(1):1-2.
 56. Jauhari P, Saini L, Chakrabarty B, Kumar A, Gulati S. Juvenile Canavan Disease: A Leukodystrophy without White Matter Changes. *Neuropediatrics.* 2018 Dec;49(6):420-421.

57. Kakkar A, Sharma MC, Nambirajan A, Gulati S, Bhatia R, Suri V, et al. Pompe disease: An Indian series diagnosed on muscle biopsy by ultrastructural characterization. *UltrastructPathol.* 2018 Jun;42(3):211–9.
58. Yoganathan S, Bagga A, Gulati S, Toteja GS, Hari P, Sinha A, et al. Prevalance and predictors of peripheral neuropathy in nondiabetic children with chronic kidney disease. *Muscle Nerve.* 2018;57(5):792–8.
59. Arora K, Thukral A, Sankar MJ, Gulati S, Deorari AK, Paul VK, et al. Postnatal Maturation of Amplitude Integrated Electroencephalography (aEEG) in Preterm Small for Gestational Age Neonates. *Indian Pediatr.* 2018 Oct 15;55(10):865–70.
60. Manokaran RK, Tripathi M, Chakrabarty B, Pandey RM, Gulati S. SLEEP ABNORMALITIES AND POLYSOMNOGRAPHIC PROFILE IN CHILDREN WITH DRUG-RESISTANT EPILEPSY. *Seizure.* 2020 Nov;82:59-64
61. Gulati S, Patel H, Chakrabarty B, Dubey R, Arora NK, Pandey RM, Paul VK, Ramesh K, Anand V, Meena A. Development of All India Institute of Medical Sciences-Modified International Clinical Epidemiology Network Diagnostic Instrument for Neuromotor Impairments in Children Aged 1 Month to 18 Years. *Front Public Health.* 2017 Nov 21;5:313
62. Dwivedi R, Ramanujam B, Chandra PS, Sapra S, Gulati S, Kalaivani M, et al. Surgery for drug-resistant epilepsy in children. *N Engl J Med.* 2017 26;377(17):1639–47.
63. Joshi R, Tripathi M, Gupta P, Gulati S, Gupta YK. Adverse effects & drug load of antiepileptic drugs in patients with epilepsy: Monotherapy versus polytherapy. *Indian J Med Res.* 2017 Mar;145(3):317–26.
64. Barua M, Kaushik JS, Gulati S. Legal Provisions, educational services and health care across the lifespan for autism spectrum disorders in India. *Indian J Pediatr.* 2017 Jan;84(1):76–82.
65. Aathira R, Gulati S, Tripathi M, Shukla G, Chakrabarty B, Sapra S, et al. Prevalence of sleep abnormalities in Indian Children with Autism Spectrum Disorder: A cross-sectional study. *Pediatr Neurol.* 2017 Sep; 74:62–7.
66. Kumar A, Jaryal A, Gulati S, Chakrabarty B, Singh A, Deepak KK, et al. Cardiovascular autonomic dysfunction in children and adolescents with rett syndrome. *Pediatr Neurol.* 2017; 70:61–6.
67. Tripathy K, Chawla R, Mittal K, Farmania R, Venkatesh P, Gulati S. Ophthalmic examination as a means to diagnose Subacute Sclerosing Panencephalitis: an optical coherence tomography and ultrawide field imaging evaluation. *Eye Vis (Lond).* 2017 Jan 19;4:1.
68. Kakkar A, Rajeshwari M, Nalwa A, Suri V, Sarkar C, Chakrabarty B, et al. Childhood macrophagicmyofasciitis: A series from the Indian subcontinent. *Muscle Nerve.* 2017 Jul;56(1):71–7.
69. Gulati S, Patel H, Chakrabarty B, Dubey R, Arora NK, Pandey RM, Paul VK, Ramesh K, Anand V, Meena A. Development and validation of AIIMS modified INCLEN diagnostic instrument for epilepsy in children aged 1 month-18 years. *Epilepsy Res.* 2017 Feb; 130:64-68
70. IsraniA,Gulati S, Chakrabarty B, Kumar A, Kumaran S, Paul VK, Sapra S, Singh U. Providing insights into the mechanism of modified Constraint Induced Movement Therapy in hemiparetic cerebral palsy - a functional MRI (fMRI) based study. *Dev Med Child Neurol.*2017 July; 59(4):71
71. Sehgal R, Gulati S, Sapra S, Tripathi M, Pandey RM, Kabra. Prognostic Utility of Clinical Epilepsy Severity Score Versus Pretreatment Hypsarrhythmia Scoring in Children with West Syndrome. *Clin EEG Neurosci.* 2017 Jul;48(4):280–7.

72. Israni A, Gulati S, Chakrabarty B, Sapra S, Paul VK, Pandey RM. Diagnostic utility of adapted version of parent administered developmental screening questionnaire ASQ3 (Ages and Stages Questionnaire Revision 3). *Dev Med Child Neurol*. June 2017; 59(4):125
73. Chakrabarty B, Sharma MC, Gulati S, Sarkar C. Skin biopsy for diagnosis of ullrich congenital muscular dystrophy: an observational study. *J Child Neurol*. 2017 Dec;32(14):1099–103
74. Saini L, Chakrabarty B, Kumar A, Gulati S. Microcephaly with generalized dystonia: Exception to the rule. *Neurol India*. 2017 Jun;65(3):669–70
75. Jose A, Gupta S, Gulati S, Sapra S. Prevalence of depression in mothers of children having ASD. *Curr Med Res Prac*. 2017 Jan; 7(1):11-15
76. Gulati S. 'Neurodevelopmental Disorders: The journey, the dreams and their realization'. *Ann of the Nat Aca Med Sciences (India)*. 2017 Jan; 53(1):30–35

- Complete list of publications: https://docs.google.com/document/d/1h5Ln_N6-MSa7XvN5GRl6uyOvxELWqeb-y6LMmWHFMIE/edit?usp=sharing