

## Key Publications

1. Kaur H, Pandey S, Jat KR, Lodha R, Kabra SK. Predictors of mortality in children with cystic fibrosis in India. *PediatrPulmonol*. 2021 Nov 26. doi: 10.1002/ppul.25766. Epub ahead of print.
2. Jat KR, Walia DK, Khairwa A. Anti-IgE therapy for allergic bronchopulmonary aspergillosis in people with cystic fibrosis. *Cochrane Database Syst Rev*. 2021 Sep 22;9(9).
3. Jat KR, Sankar J, Das RR, Ratageri VH, Choudhary B, Bhat JI, Mishra B; Collaborative Indian Pediatric COVID study group; Bhatnagar S, Behera B, Charoo BA, Goyal JP, Gupta AK, Gulla KM, Gera R, Illalu S, Kabra SK, Khera D, Kumar B, Lodha R, Mohan A, Mohanty PK, Satapathy AK, Singh K, Singh A, Sharma SV, Tiwari P, Trikha A, Wari PK. Clinical Profile and Risk Factors for Severe Disease in 402 Children Hospitalized with SARS-CoV-2 from India: Collaborative Indian Pediatric COVID Study Group. *J Trop Pediatr*. 2021 Jul 2;67(3)
4. Gulla KM, Sankar J, Jat KR, Kabra SK, Lodha R. Dexmedetomidine vs Midazolam for Sedation in Mechanically Ventilated Children: A Randomized Controlled Trial. *Indian Pediatr*. 2021 Feb 15;58(2):117-122.
5. Gupta P, Sankar J, Kumar BK, Jat KR, Mukherjee A, Kapil A, Kabra SK, Lodha R. Twenty-Four-Hour Esophageal pH Measurement in Mechanically Ventilated Children: A Prospective Cohort Study. *Pediatr Crit Care Med*. 2021 Mar 1;22(3):e203-e212.
6. Kumari J, Jat KR, Kabra SK. Role of Telemedicine in Follow-up Care of Children with Respiratory Illnesses at a Tertiary Care Hospital - An Ambispective Observational Study. *Indian J Pediatr*. 2021 Oct;88(10):974-978.
7. Jat KR, Goel N, Gupta N, Gupta CP, Datta S, Lodha R, Kabra SK. Efficacy of vitamin D supplementation in asthmatic children with vitamin D deficiency: A randomized controlled trial (ESDAC trial). *Pediatr Allergy Immunol*. 2021 Apr;32(3):479-488.
8. Herath AD, Jat KR, Lodha R, Iyer VK, Sarangi J, Kabra SK. Wall-mounted Versus Handheld Syringe Suction for Pediatric Bronchoalveolar Lavage: A Randomized Controlled Trial. *J BronchologyIntervPulmonol*. 2021 Jul 1;28(3):201-208.
9. Banothu KK, Bhat JI, Das RR, Dhochak N, Ghimire JJ, Goyal JP, Gulla KM, Gupta S, Jat KR, Kabra SK, Kalyan P, Kumar A, Kumar P, Kumar V, Lodha R, Mathew JL, Pathania A, Ratageri VH, Singh V, Warankar S. Expert Opinion on Restoration of Pediatric Pulmonology Services During the SARS-CoV-2 Pandemic. *Indian Pediatr*. 2020 Nov 15;57(11):1055-1059.
10. Mistri S, Dhochak N, Jana M, Jat KR, Sankar J, Kabra SK, Lodha R. Diaphragmatic atrophy and dysfunction in critically ill mechanically ventilated children. *PediatrPulmonol*. 2020 Dec;55(12):3457-3464.
11. Dhochak N, Singh A, Malik R, Jat KR, Sankar J, Makharia G, Kabra SK, Lodha R. Acute gastrointestinal injury in critically ill children: Impact on clinical outcome. *J Paediatr Child Health*. 2022 Apr;58(4):649-654.
12. Kumar P, Mukherjee A, Randev S, Medigeshi GR, Jat KR, Kapil A, Lodha R, Kabra SK. Effect of acute respiratory infections in infancy on pulmonary function test at 3 years of age: a prospective birth cohort study. *BMJ Open Respir Res*. 2020 Feb;7(1):e000436.
13. Kumar P, Mukherjee A, Randev S, Jat KR, Lodha R, Kabra SK. Normative Data of Infant Pulmonary Function Testing: A Prospective Birth Cohort Study from India. *Indian Pediatr*. 2020 Jan 15;57(1):25-33.
14. Gunathilaka PKG, Jat KR, Sankar J, Lodha R, Kabra SK. Propofol versus Fentanyl for Sedation in Pediatric Bronchoscopy: A Randomized Controlled Trial. *Indian Pediatr*. 2019 Dec 15;56(12):1011-1016.
15. Kumari J, Jat KR, Lodha R, Jana M, Xess I, Kabra SK. Prevalence and Risk Factors of Allergic Bronchopulmonary Aspergillosis and Aspergillus Sensitization in Children with Poorly Controlled Asthma. *J Trop Pediatr*. 2020 Jun 1;66(3):275-283.

16. Dhochak N, Jat KR, Lodha R, Kabra SK. Lentil aspiration leading to likely hypersensitivity pneumonitis. *PediatrPulmonol.* 2019 Nov;54(11):1781-1786
17. Yadav R, Nagori A, Mukherjee A, Singh V, Lodha R, Kabra SK, Yadav G, Saini JK, Singhal KK, Jat KR, Madan K, George MP, Mani K, Mrigpuri P, Kumar R, Guleria R, Pandey RM, Sarin R, Dhaliwal RS. Effects of ambient air pollution on emergency room visits of children for acute respiratory symptoms in Delhi, India. *Environ Sci Pollut Res Int.* 2021 Sep;28(33):45853-45866.
18. Ghimire JJ, Gulla KM, Jat KR, Sankar J, Lodha R, Kabra SK. Risk factors and clinical course of children with cystic fibrosis colonized with *Staphylococcus aureus*. *Trans R Soc Trop Med Hyg.* 2021 Jul 1;115(7):801-806.
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21. Gunathilaka PK, Mukherjee A, Jat KR, Lodha R, Kabra SK. Clinical Profile and Outcome of Pediatric Sarcoidosis. *Indian Pediatr.* 2019 Jan 15;56(1):37-40.
22. Arvind B, Medigeshe GR, Kapil A, Xess I, Singh U, Lodha R, Kabra SK. Aetiological agents for pulmonary exacerbations in children with cystic fibrosis: An observational study from a tertiary care centre in northern India. *Indian J Med Res.* 2020 Jan;151(1):65-70
23. Dawman L, Mukherjee A, Sethi T, Agrawal A, Kabra SK, Lodha R. Role of Impulse Oscillometry in Assessing Asthma Control in Children. *Indian Pediatr.* 2020 Feb 15;57(2):119-123.
24. Chattopadhyay A, Gupta S, Sankar J, Kabra SK, Lodha R. Outcomes of Severe PARDS on High-Frequency Oscillatory Ventilation - A Single Centre Experience. *Indian J Pediatr.* 2020 Mar;87(3):185-191.
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27. Saini I, Mukherjee A, Gautam H, Singla M, Jat KR, Lodha R, Singh UB, Kabra SK. Diagnostic Yield of Xpert MTB/RIF in Bronchoalveolar Lavage in Children with Probable Pulmonary Tuberculosis. *Indian Pediatr.* 2018 Dec 15;55(12):1062-1065.
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32. Jat KR, Mathew JL. Continuous positive airway pressure (CPAP) for acute bronchiolitis in children. *Cochrane Database Syst Rev.* 2019 Jan 31;1(1):CD010473.
33. Lodha R, Kabra SK. Clinical and Laboratory Parameters Associated with Septic Myocardial Dysfunction in Children with Septic Shock. *Indian J Pediatr.* 2021 Aug;88(8):809-812.

34. Lodha R, Kabra SK. COVID-19 Pandemic: Impact on Health Care of Children and the Urgent Need to Restore Regular Healthcare Services. *Indian J Pediatr.* 2021 Mar;88(3):225-226.
35. Sankar J, Garg M, Ghimire JJ, Sankar MJ, Lodha R, Kabra SK. Delayed Administration of Antibiotics Beyond the First Hour of Recognition Is Associated with Increased Mortality Rates in Children with Sepsis/Severe Sepsis and Septic Shock. *J Pediatr.* 2021 Jun;233:183-190.e3.
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39. Samaddar S, Sankar J, Kabra SK, Lodha R. Association of Fluid Overload with Mortality in Critically-ill Mechanically Ventilated Children. *Indian Pediatr.* 2018 Nov 15;55(11):957-961
40. Vijay G, Mandal A, Sankar J, Kapil A, Lodha R, Kabra SK. Ventilator Associated Pneumonia in Pediatric Intensive Care Unit: Incidence, Risk Factors and Etiological Agents. *Indian J Pediatr.* 2018 Oct;85(10):861-866
41. Chattopadhyay A, Mukherjee A, Kabra SK, Lodha R. Antibiotic Stewardship Practices and Prescribing Patterns Across Indian PICUs. *Indian J Pediatr.* 2021 Dec 2. doi: 10.1007/s12098-021-03929-9.
42. Panwar A, Wangchuk J, Kar M, Lodha R, Medigeshi GR. Dengue virus replication enhances labile zinc pools by modulation of ZIP8. *Cell Microbiol.* 2021 Dec;23(12):e13395.
43. Singh UB, Verma Y, Jain R, Mukherjee A, Gautam H, Lodha R, Kabra SK. Childhood Intra-Thoracic Tuberculosis Clinical Presentation Determines Yield of Laboratory Diagnostic Assays. *Front Pediatr.* 2021 Aug 25;9:667726
44. Yadav CP, Lodha R, Kabra SK, Sreenivas V, Sinha A, Khan MA, Pandey RM. Comparison of statistical methods for recurrent event analysis using pediatrics asthma data. *Pharm Stat.* 2020 Nov;19(6):803-813.
45. Singh M, Sankar J, Kumar A, Kumar UV, Lodha R, Kabra SK. Predictors of Mortality in Children Admitted to the Pediatric Intensive Care Unit with Acute Gastroenteritis with Severe Dehydration. *Indian J Pediatr.* 2019 Dec;86(12):1142-1145.
46. 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
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48. Gupta S, Sankar J, Lodha R, Kabra SK. Comparison of Prevalence and Outcomes of Pediatric Acute Respiratory Distress Syndrome Using Pediatric Acute Lung Injury Consensus Conference Criteria and Berlin Definition. *Front Pediatr.* 2018 Apr 9;6:93.
49. Dev N, Meena RC, Gupta DK, Gupta N, Sankar J. Risk factors and frequency of COVID-19 among healthcare workers at a tertiary care centre in India: a case-control study. *Trans R Soc Trop Med Hyg.* 2021 May 8;115(5):551-556
50. Sankar J, Das RR, Singh A. Effect of Prehospital Transport Factors on Shock Index, Serum Lactate, and Mortality in Children with Septic Shock: A Prospective Observational Study. *J Emerg Trauma Shock.* 2019 Oct-Dec;12(4):274-279

## Key Books:

- 1) Essential Pediatric Pulmonology Ed IV
- 2) Case Based Reviews in Pediatric Pulmonology
- 3) Pediatric Intensive Care Protocols of AIIMS Ed 8
- 4) Essential Pediatric Tuberculosis Ed 4