

Madhusudan Samprathi

Consultant Pediatrician And Pediatric Intensivist

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Work History

- 2020-01 - **Consultant Pediatrician and Pediatric Intensivist**
Current Rainbow Children's Hospital, Bangalore
- 2019-05 - **Assistant Professor, Pediatrics (PICU)**
2020-12 Christian Medical College, Vellore
- 2014-09 - **Assistant Professor, Pediatrics**
2015-12 AIIMS, Bhubaneswar
- 2011-07 - **Senior Resident, Pediatrics**
2014-07 PGIMER, Chandigarh



Education

- 2001-08 - **MBBS**
2007-05 Bangalore Medical College - Bangalore
- 2008-07 - **MD: Pediatrics**
2011-06 PGIMER - Chandigarh
- 2016-01 - **DM: Pediatric Critical Care**
2019-03 PGIMER - Chandigarh



Clinical Observership

1. Birmingham Children's Hospital, United Kingdom: 28.9.2018 - 18.10.2018

Training Courses

1. **Provider Course in Basic Life Support** on 23 July 2016 at the Advanced Pediatrics Centre, PGIMER, Chandigarh
2. **Provider Course in Pediatric Advanced Life Support** on March 24-25, 2018 at Government Medical College Hospital, Chandigarh

Areas of Interest

Septic Shock
Point of Care Ultrasound
Tropical diseases - Infections & Envenomation
Training of Primary and Secondary Care Pediatricians in Pediatric Acute Care

Publications

1. **Madhusudan S**, Singh S, Suri D, Gupta A, Gupta A. Acute anterior uveitis as the presenting feature of Kawasaki disease. *Indian J Pediatr* 2014; 81:415.
2. **Madhusudan S**, Singh S, Suri D, Dash N, Gupta A. Tuberculin positivity in Kawasaki disease: an unusual occurrence. *Indian J Pediatr* 2014; 81:416-7.
3. **Madhusudan S**, Singh S, Rohit M, Gupta A, Suri D, Rawat A. Late symptomatic myocarditis in Kawasaki disease: an unusual manifestation. *Indian J Pediatr* 2014; 81:404-5.
4. **Madhusudan S**, Devidayal, Rakesh Kumar, Suja Mariam. Intrarenal abscess caused by *Escherichia coli* in a young boy: A Case Report *The Journal of Infectious Diseases* 2013; 112:138-40.
5. **Madhusudan S**, Singh S. Kawasaki disease: a Pediatrician's Perspective. *Perspectives in Clinical Dermatology* 2014; 13:33-9.
6. Singh M, **Madhusudan**. Ethical Issues in Prospective Studies in Children: The many Shades of Gray. *J Postgrad Med Edu Res* 2012; 46:126-8.
7. Devi Dayal, Arushi Saini, Jayashree M, SunitSinghi, Rakesh Kumar, **Madhusudan S**, Meenu Singh. Hospital based incidence, patterns of presentation and outcome of Type 1 diabetes: 12 years' data from a tertiary care center in North India. *Int J Diabetes Dev Ctries*. 2015; 35: 103-7.
8. Devi Dayal, **Madhusudan Samprathi**, Navchetan Kaur, Ranjana Walker Minz, Dhaarani Jayaraman. Prevalence of Beta-Cell, Thyroid and Celiac Autoimmunity in North Indian Children with Recent Onset Type 1 Diabetes (T1D). *J Clin Diagn Res* 2015;9: SM01-SM02.
9. **Madhusudan S**, Gupta A, Prakash M, Matta D, Suri D, Singh S. Camptodactyly-Arthropathy-Coxa vara-Pericarditis (CACP) syndrome. A mimicker of Juvenile Idiopathic Arthritis. *Scand Journal of Rheumatol*. 2016; 45: 77-8.
10. Dayal D, **Samprathi M**, Jayaraman D, Kohat D, Bhalla AK. Secular trends of body mass

- index in North Indian children with Type 1 diabetes do not support the Accelerator Hypothesis. *ClinEndocrinol (Oxf)*. 2016 Mar; 84(3):338-41.
11. Sarthak S, **Samprathi M**. Fever, Hepatosplenomegaly, and a Typical Skin Lesion. *J Pediatr*. 2016 Feb; 169:321-321.e1.
 12. Das L, **Samprathi M**, Shukla U, Bandyopadhyay D, Das RR. Hypertriglyceridemia Thalassaemia Syndrome: Common Disease, Uncommon Association. *Indian J Pediatr*. 2016 Jul; 83(7):720-2.
 13. **Samprathi M**, Acharya S, Biswal B, Panda SS, Das RR. An Unusual Foreign Body Masquerading as Pneumonia. *J Pediatr*. 2016 Nov;178: 300-300.e1.
 14. **Samprathi M**, Jayashree M. Child with Vomiting. *Indian J Pediatr*. 2017 Oct; 84(10):787-791.
 15. **Samprathi M**, Angurana S. Managing Malaria in the Pediatric Intensive Care Unit. *J PediatrCrit Care* 2017;4(3):60-71.
 16. Mohanty S, **Samprathi M**, Parija S. Reactive arthritis associated with *Strongyloides stercoralis*: Report of an uncommon relation. *Trop Parasitol*. 2017 Jul-Dec; 7(2):117-119.
 17. Piloni RK, Jindal AK, **Samprathi M**, Singhal M, Singh S. Hypotension in a febrile child – beware of Kawasaki Shock Syndrome. *J Clin Rheumatol*. Accepted for publication.
 18. Kavitha TK, **Samprathi M**, Jayashree M, Gautam V, Sangal L. Clinical Profile of Critical Pertussis in Children at a Pediatric Intensive Care Unit in Northern India. *Indian Pediatr*. 2020 Mar 15;57(3):228-231.
 19. **Samprathi M**, Agarwal A, Jayashree M, Bansal A, Baranwal AK, Nallasamy K, Kumar S. Better groundwork can avoid troubled waters: A developing country perspective of drowning in children. *J Trop Pediatr*. 2019 Nov 14; fmz074.
 20. **Samprathi M**, Gupta V, Jayashree M, Bansal A, Baranwal AK, Nallasamy K. Epidemiology and Outcomes of Early Morning Neuroparalytic Syndrome following Snake Bite – A Retrospective Study. *J Trop Pediatr*. 2020 Feb 18; fmz084.
 21. **Samprathi M**. A Clinician's remorse. *Intensive Care Med*. 2020 Jun 18. doi: 10.1007/s00134-020-06159-3. Online ahead of print.
 22. **Samprathi M**. Master of the Symphony. *Ann Indian Acad Neurol*. 2020. Accepted for publication.



Chapters in Books

1. **Madhusudan S**, Singh S. Kawasaki disease. In: Textbook of Systemic Vasculitis. Sharma A. Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi, 2015, 272-276.
2. **Samprathi M**, Bansal A. Extubation in Children. In: IAP Textbook of PICU Protocols. Soans ST. Jaypee Brothers Medical Publishers Pvt. Ltd., New Delhi, 2019, 128-132.



Participation in Conferences

POSTER PRESENTATION

1. "CACP syndrome – a close mimic of JIA" – at 3rd Kawasaki Disease Summit & 12th National Conference of Pediatric Rheumatology Society October 31-November 2, 2014 at PGIMER, Chandigarh.

2. 'Clinical profile intensive care needs and predictors of outcome in children with drowning: A developing country perspective' at the 19th Annual Conference of the Indian Academy of Pediatrics (IAP) – Intensive Care Chapter and 2nd Asian Congress of Pediatric Intensive Care November 2nd - 5th, 2017 at Chandigarh.
3. "Feasibility study of clinician-performed ultrasonographic assessment of airway of intubated patients to predict Postextubation airway obstruction" – at the 9th World Federation of Pediatric Intensive and Critical Care Societies Congress held from June 9 - 13 in Singapore.
4. 'Clinical profile, intensive care needs and predictors of outcome in children with drowning: A developing country perspective' at the 31st Annual Congress of the European Society of Intensive Care Medicine – LIVES 2019, at Paris, France from October 22 to 24, 2018.

ORAL PRESENTATIONS

1. 'Clinical profile, Intensive Care needs & Predictors of Mortality in Children with Snake Envenomation from North India' at the 23rd Annual Conference of Indian Society of Critical Care Medicine (ISCCM) (CRITICARE) held from February 1-5 2017 at Kochi.
2. 'Deep Neck Space Infections in a Pediatric Intensive Care Unit: a retrospective study from India' at the 10th World Congress of the World Society for Pediatric Infectious Diseases – WSPID 2017, held from 2-5 December, 2017 at Shenzhen, China.
3. "Feasibility study of clinician-performed ultrasonographic assessment of airway of intubated patients to predict postextubation airway obstruction" - at the 25th Annual Conference of Indian Society of Critical Care Medicine (ISCCM) (CRITICARE) held from February 1-3 2017 at Mumbai.



Participation as Faculty

1. Delivered a talk on 'Rational antibiotic therapy' at the Annual Meet of the Chandigarh branch of the Indian Academy of Pediatrics held at the Advanced Pediatrics Centre, PGIMER on December 9, 2018.
2. Participated as faculty in the IMPACT (Integrated module for Pediatric acute care training) training modules for 'Capacity Building in Pediatric Critical Care among health care providers in Madhya Pradesh through sustained multifaceted training' – a collaboration of UNICEF, National Health Mission Madhya Pradesh and PGIMER, Chandigarh.
3. Panelist in the symposium, 'Sodium Disturbances - Keeping the Salt Balance Intact' at the 1st Annual Conference of the Academy of Pediatric Critical Care on 11.5.2019 at Chennai.
3. Participated as faculty in training of pediatricians in the Pediatric Acute Care Training (PACT) programme at BRD Medical College, Gorakhpur, Uttar Pradesh from 25th to 27th July, 2019.
4. Delivered a talk on 'Initial management of the comatose child' at the Neonatal and Pediatric Emergency (NAPE) workshop organized by Rainbow Children's Hospital in association with Indian Academy of Pediatrics, Mysore held at Mysore, Karnataka on February 16, 2020.
5. Delivered a talk on 'Febrile child with rash – when to worry?' at the Neonatal and Pediatric Emergency (NAPE) workshop organized by Rainbow Children's Hospital in association with Indian Academy of Pediatrics, Mandya held at Mandya, Karnataka on February 28, 2020.
6. Delivered a talk on 'Pediatric ECMO: Where are we?' at the ECMO meet organized jointly

by Apollo Hospital, Bangalore and Mayo Clinic, USA in March 2020 at Bangalore.



Organizational Skills

1. Participated in pulse polio immunization programs.
2. Was a part of the organizing team in the CME cum Workshop on the Evidence Based Management of Common Respiratory Disorders in Children from March 15th to 16th, 2012 at the Advanced Pediatrics Centre, PGIMER, Chandigarh.
3. Was a part of the organizing team in "Golden Jubilee Pediatric CME" from 23rd to 24th February 2013 at the Advanced Pediatrics Centre, PGIMER, Chandigarh.
4. Was a part of the organizing team of the World Breastfeeding Week – 2015 celebrations at AIIMS, Bhubaneswar held from August 1 to 7, 2015.
5. Was the local coordinator and part of the organizing team for the local and divisional rounds of the 28th Indian Academy of Pediatrics (IAP) Undergraduate quiz at AIIMS, Bhubaneswar.
6. Independently conducted the inspection of Pediatric ICUs in different districts of Madhya Pradesh as part of the project - 'Capacity Building in Pediatric Critical Care among health care providers in Madhya Pradesh through sustained multifaceted training' –a collaboration of UNICEF, National Health Mission Madhya Pradesh and PGIMER, Chandigarh.