

1. Name :**Dr. Mahadevan Subramanian**
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TNMC Regn 27499 (Valid until 02 Oct 2025)

- 2.1. Contribution to Chapters: 10 in PG text books on Paediatrics in Critical Care, Envenomations and Childhood TB;
- 2.2. Contributed a Chapter on COVID and Children in 'COVID-Pandemic and Problems: lessons for recovery and resilience', by The Tamilnadu Dr. MGR UNIVERSITY (TNMGRU-Dec-2021)
- 2.3. Publications in Medical Journals (attach a list of complete references of publication – please do not include articles submitted for publication): List enclosed in CV.
Original papers: 126.
 1. Threshold of Inotropic Score and Vasoactive-Inotropic Score for Predicting Mortality in Pediatric Septic Shock.
Dipu K., Rameshkumar R, Chidambaram M, Krishnamurthy K, Selvan T. **Mahadevan S.** Indian J Pediatrics. 2022 89(5)432-237. Doi 10.1007/s12098-021-03846-x.
 2. Correction to: A Prospective Cohort Study on Serum Sodium and Clinical Outcome in Pediatric Nontraumatic Coma. Gupta A, Rameshkumar R, Chidambaram M, Selvan T, **Mahadevan S.** Indian J Pediatr. 2021 Nov;88(11):1162-1164. doi: 10.1007/s12098-021-03919-x.
 3. Modified Schwartz formula and 99mTc-DTPA plasma clearance methods to calculate glomerular filtration rate in critically ill children. Bhowmick R, Rameshkumar R, Ponnusamy M, Rajaraman V, Chidambaram M, Sheriff A, **Mahadevan S.** Pediatr Nephrol. 2021 Sep 21. doi: 10.1007/s00467-021-05197-3.
 4. Threshold of Inotropic Score and Vasoactive-Inotropic Score for Predicting Mortality in Pediatric Septic Shock. Kallekkattu D, Rameshkumar R, Chidambaram M, Krishnamurthy K, Selvan T, **Mahadevan S.** Indian J Pediatr. 2021 Jul 27:1-6. doi: 10.1007/s12098-021-03846-x.

5. Serious Adverse Reactions to Anti-snake Venom in Children with Snake Envenomation: An Underappreciated Contributor to Snakebite Mortality? Hooda R, Parameswaran N, Subramanian M. *Indian J Crit Care Med.* 2021 Jun;25(6):720-723. doi: 10.5005/jp-journals-10071-23836.
6. Prospective Cohort Study on Cumulative Fluid Balance and Outcome in Critically Ill Children Using a Restrictive Fluid Protocol. Rameshkumar R, Chidambaram M, Bhanudeep S, Krishnamurthy K, Sheriff A, Selvan T, **Mahadevan** S. *Indian J Pediatr.* 2021 Jun 9. doi: 10.1007/s12098-021-03788-4.
6. Early Goal-Directed Therapy With and Without Intermittent Superior Vena Cava Oxygen Saturation Monitoring in Pediatric Septic Shock: A Randomized Controlled Trial. Jain P, Rameshkumar R, Satheesh P, **Mahadevan** S. *Indian Pediatr.* 2021 May 28:S097475591600339.
7. A Prospective Cohort Study on Serum Sodium and Clinical Outcome in Pediatric Nontraumatic Coma. Gupta A, Rameshkumar R, Chidambaram M, Selvan T, **Mahadevan** S. *Indian J Pediatr.* 2021 Nov;88(11):1092-1098. doi: 10.1007/s12098-021-03726-4. Epub 2021 May 20.
8. Prospective Inverse Probability of Treatment-Weighting Analysis of the Clinical Outcome of Red Blood Cell Transfusion Practice in Critically Ill Children. Bhanudeep S, Rameshkumar R, Chidambaram M, Selvan T, **Mahadevan** S. *Indian J Pediatr.* 2021 Oct;88(10):985-990. doi: 10.1007/s12098-021-03740-6. Epub 2021 Apr 17.
9. Trial of Furosemide to Prevent Acute Kidney Injury in Critically Ill Children: A Double-Blind, Randomized, Controlled Trial. Abraham S, Rameshkumar R, Chidambaram M, Soundravally R, Subramani S, Bhowmick R, Sheriff A, Maulik K, **Mahadevan** S. *Indian J Pediatr.* 2021 Nov;88(11):1099-1106. doi: 10.1007/s12098-021-03727-3. Epub 2021 Apr 2.
10. Epinephrine Plus Vasopressin vs Epinephrine Plus Placebo in Pediatric Intensive Care Unit Cardiopulmonary Resuscitation: A Randomized Double Blind Controlled Clinical Trial. Sheriff A, Rameshkumar R, Chidambaram M, Maulik K,

Kumar RS, Jamal A, Bhowmick R, Biswal N, **Mahadevan** S. Indian Pediatr. 2021 Jul 15;58(7):624-630. Epub 2021 Feb 19.

11. Low-Dose (0.05 Unit/kg/hour) vs Standard-Dose (0.1 Unit/kg/hour) Insulin in the Management of Pediatric Diabetic Ketoacidosis: A Randomized Double-Blind Controlled Trial. Rameshkumar R, Satheesh P, Jain P, Anbazhagan J, Abraham S, Subramani S, Parameswaran N, **Mahadevan** S. Indian Pediatr. 2021 Jul 15;58(7):617-623. Epub 2021 Feb 19.

12. Evaluation of LAMP for detection of Shigella from stool samples in children. Raghavan R, Wang S, Dendukuri N, Kar SS, **Mahadevan** S, Jagadisan B, Mandal J. Access Microbiol. 2020 Sep 14;2(11):acmi000169. doi: 10.1099/acmi.0.000169. eCollection 2020.

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14. Use of Honey Versus Standard Care for Hospital-Acquired Pressure Injury in Critically Ill Children: A Multicenter Randomized Controlled Trial. Sankar J, Lalitha AV, Rameshkumar R, **Mahadevan** S, Kabra SK, Lodha R. Pediatr Crit Care Med. 2021 Jun 1;22(6):e349-e362. doi: 10.1097/PCC.0000000000002611.

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16. Comparison of Phenytoin, Valproate and Levetiracetam in Pediatric Convulsive Status Epilepticus: A Randomized Double-blind Controlled Clinical Trial. Vignesh V, Rameshkumar R, **Mahadevan** S. Indian Pediatr. 2020 Mar 15;57(3):222-227.

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19. Second Dose of Scorpion Antivenom in Children with Indian Red Scorpion (Mesobuthustamulus) Sting Envenomation. Abimannane A, Rameshkumar R, Satheesh P, **Mahadevan** S. *Indian Pediatr.* 2018 Apr 15;55(4):315-318. Epub 2018 Feb 9.
20. Rapid and Accurate Diagnosis of Acute Pyogenic Meningitis Due to Streptococcus Pneumoniae, Haemophilus influenzae Type b and Neisseria meningitidis Using A Multiplex PCR Assay. Seth R, Murthy PSR, Sistla S, Subramanian M, Tamilarasu K. *J Clin Diagn Res.* 2017 Sep;11(9):FC01-FC04. doi:10.7860/JCDR/2017/28114.10532. Epub 2017 Sep 1.
21. Comparative Effect of Divided Doses of Adult Solid and Liquid Oral Formulations of Antiepileptic Drugs in the Management of Pediatric Epilepsy. Nidanapu RP, Tamijarassy B, **Mahadevan** S, Gitanjali B. *J Pharmacol Pharmacother.* 2017 Apr-Jun;8(2):54-61. doi: 10.4103/jpp.JPP_7_17.
22. Randomized Double-blind Trial of Ringer Lactate Versus Normal Saline in Pediatric Acute Severe Diarrheal Dehydration. Kartha GB, Rameshkumar R, **Mahadevan** S. *J Pediatr Gastroenterol Nutr.* 2017 Dec;65(6):621-626. doi: 10.1097/MPG.0000000000001609.
23. Effect of Continuous Renal Replacement Therapy on Outcome in Pediatric Acute Liver Failure: Is the Clearance Mechanism Appropriate for Detoxification? Jain P, Rameshkumar R, Satheesh P, **Mahadevan** S. *Crit Care Med.* 2017 May;45(5):e534-e535. doi: 10.1097/CCM.0000000000002296.
24. Evaluation of the "Early" Use of Albumin in Children With Extensive Burns: Were the Differences Significant? Satheesh P, Rameshkumar R, **Mahadevan** S, Jain P. *Pediatr Crit Care Med.* 2017 Apr;18(4):399. doi: 10.1097/PCC.0000000000001082.
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2.4.

2.5. As the Best Outgoing Graduate of JIPMER (1974) and training in Pediatrics (1979)

- 2.6. His Ph.D research on Childhood Neurotuberculosis- Diagnostic Aspects (1995) and doctoral work guided by Dr. C. Jegannath, Mycobacterial Scientist, University of Texas, USA.
- 2.7. His diagnostic and clinical research on neuroinfections, child psychiatry and envenomation in children have streamlined child neurology, emergency and pediatric critical care services at JIPME Faculty Scholar (I1005), Global Academy of Emergency Medicine USA (GAEM).
- 2.8. Guided PhD scholars on Epigenetics in Tuberculosis and MD and DM students on Paed Critical Care and Envenomations at JIPMER.
3. National:
 1. Fellowship of National Neonatology forum.
 2. Dr. Puneet Sharma memorial oration during NNF annual conference at Jaipur-2016.
- 3.1. International:
 1. WHO fellowship on Basic Maternal and child health care – Nepal and Thailand - 1991.
 2. WHO fellowship in Neonatology, University of Illinois, Chicago -1993
4. Representation in International/ National Organization/ Committees/ Bodies/ Institutions.
 - 4.1. Dean, JIPMER (Sept 2013-Oct 2016)
 - 4.2. Head of Department of Pediatrics and Head, Division of Pediatric Critical Care, JIPMER (May 2015 -May 2018)
 - 4.3. Deanship (i/c) of the School of Medical Sciences, Pondicherry Central University (July 2010-May 2018)
 - 4.4. Member, Governing Body, JIPMER (Sept 2013-Oct 2016)
 - 4.5. Member, Academic Council, Puducherry University (2010-2018)
 - 4.6. Member, Academic Council, Sri Ramachandra University, Porur, Chennai (2017 onwards till date)
 - 4.7. Lead for starting DM Pediatric Critical Care program at JIPMER from Jan-2015 onwards
 - 4.8. Lead for starting Post Doctoral Fellowship in Child and Adolescent Psychiatry @JIPMER from 2017
 - 4.9. Lead for evolving the National Snakebite Management Protocol (2008) initiated by the Ministry of Health and Family Welfare, Government of India.