

Curriculum vitae

Name of the Applicant: **Jhuma Sankar**

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Date of birth: 18th June, 1977; 44 years 0 months 18 days

Sex: Female

Academic qualifications beginning with the Bachelor's degree:

I. Education

Degree	University	Year	Subjects
MBBS	JIPMER/	1995	Puducherry
MD	PGIMER, Chandigarh	2004	Pediatrics
Fellowship in Pediatric critical care	IAP-ISCCM/ PGI Chandigarh	2007	Pediatric critical care

II. Positions held

S.No	Positions held	Name of the Institute	From	To
1.	Associate Professor	AIIMS, New Delhi	July 2017	Present
2.	Assistant Professor	AIIMS, New Delhi	June 2014	June 2017
3.	Associate Professor	PGIMER, Dr RML Hospital	March 2011	June 2014
4.	Assistant Professor	PGIMER, Dr RML Hospital	July 2009	March 2011

5. Assistant Professor	JIPMER, Puducherry	March 2009	July 2009
6. Senior Research Associate	A.I.I.M.S, New Delhi.	Dec 2007	March 2009

III. Funded projects

Sno	Title of project	Name of funding agency	Duration	Sanctioned amount
1	Procalcitonin guided antibiotic therapy	Indian Council of Medical Research (2019-2022)	3	85 lakhs
2	Signs of circulatory impairment in children	Department of Science and Technology (2019-2021)	3	33.7 lakhs
3	Balanced salt versus normal saline in septic shock	Department of Science and Technology (2017-2020)	3	71.4 lakhs
4	Honey versus standard treatment for bed sores	WFPICCS–HARD grant (2017-2018)	1	6.7 lakhs
5	Gut microbiota and GI dysfunction in children with septic shock	AIIMS Institute Research Grant (2021-2022)	1	10 lakhs
6	Risk factors for mortality in children with COVID-19	AIIMS Institute Research Grant (2020-2021)	1	5 lakhs
7	Clinical trial of intermittent and continuous ScvO ₂ monitoring	AIIMS Institute Research Grant (2015-2017)	2	5 lakhs

IV. Publication and Research Work:-

	Published	Under Publication	1 st Author/ Communicating Author
1. Research Papers (a) Indexed Journals (b) Non-Indexed Journals	121 a) 111 b) 10	05 a) 04 b) 01	95 a) 81 b) 10

	Last 10 years: 102 Indexed- 95 Non-indexed- 7 Citation indices: Citations till date- 1246 H index- 19 i10 index-35		
2. Abstracts (a) Indexed Journals (b) Non-Indexed Journals	a) 24		

V. Relevant publications

Five best papers

S. No	Journal (authors, title, volume and page no's)	Year	Total Authors	First Author Yes/No*	Corresponding Author (Yes/No)	Impact Factor 2018 JCR	Web of science core citations
1	Intensive Care Medicine Sankar J , Singh M, Kumar K, Sankar MJ, Kabra SK, Lodha R. 'Intermittent' versus 'continuous' ScvO₂ monitoring in children with septic shock: a randomised, non-inferiority trial. Intensive Care Med. Epub 2019 Nov 28. doi: 10.1007/s00134-019-05858-w.	2019	6	Yes	Yes	17.69	3
2	Pediatric Critical Care Medicine Sankar J , Ismail J, Sankar MJ, C P S, Meena RS. Fluid Bolus Over 15-20	2017	5	Yes	Yes	3.64	42

	Versus 5-10 Minutes Each in the First Hour of Resuscitation in Children With Septic Shock: A Randomized Controlled Trial. Oct;18(10):e435-e445)						
3	Pediatric Critical Care Medicine Sankar J, Sankar MJ, Suresh CP, Dubey NK, Singh A. Early goal-directed therapy in pediatric septic shock: comparison of outcomes "with" and "without" intermittent superior venacaval oxygen saturation monitoring: a prospective cohort study*. Pediatr Crit Care Med. 2014 May;15(4):e157-67. (Impact factor: 3.64)	2014	5	Yes	Yes	3.64	55
4	Pediatric Critical Care Medicine Sankar J , Dhochak N, Kumar K, Singh M, Sankar MJ, Lodha R. Comparison of International Pediatric Sepsis Consensus Conference Versus Sepsis-3 Definitions for Children Presenting With Septic Shock to a Tertiary Care Center in India: A Retrospective Study. Pediatr Crit Care Med.	2019	6	Yes	Yes	3.64	13

	2019 Mar;20(3):e122-e129.						
5	Frontiers in pediatrics (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. Apr 9;6:93)	2018	4	No	Yes	2.63	36

VI. Honors/memberships

S. No	Name of the Award	Awarding Agency	Year
1.	ICMR HB Dingley Memorial award	ICMR	September, 2017
2.	Senior Investigator in Pediatric Critical Care Medicine	World Federation of Pediatric Intensive Care and Critical Care Societies (WFPICCS) - PICC 2018	June, 2018, Singapore
3.	Student received ICMR CNMC – STS excellence award 2019 for the STS scholarship project (2016) (Chief guide)	ICMR	December 2020
4.	WFPICCS HARD grant manufacturing award in Pediatric Critical Care	WFPICCS- HARD manufacturing	June, 2017
5.	V.V Balagopal Raju Award (second prize) for oral paper ‘Association of fluid overload with mortality in critically ill mechanically ventilated children’	Indian Academy of Pediatrics (PEDICON 2016)	January, 2016
6.	Short term scholarship- ICMR (as Chief guide of MBBS student)	ICMR	March, 2016
7.	Second best oral paper award for paper entitled “Decreasing time to recognition of shock”	7th National Assembly of Pediatric Emergency Medicine	February, 2016
8.	Best paper Indian Journal of Critical Care Medicine- for paper entitled ‘ High dose versus low dose snake antivenom- a systematic review’	Indian Society of Critical Care Medicine	February, 2016

		- CRITICARE 2016, Agra	
9.	Best oral paper award for paper entitled “Fluid bolus over 15-20 minutes versus 5-10 minutes in children with septic shock”	17th National Congress of Pediatric Critical Care, Jaipur	November, 2015
10.	Second best oral paper award for paper entitled “Transport practices in children presenting to the pediatric emergency”.	16th National Congress of Pediatric Critical Care, Delhi	November, 2015
11.	James Flett Endowment award for paper on social pediatrics	Indian Academy of Pediatrics (PEDICON 2014)	January, 2014
12.	Best oral paper award for paper entitled “PIM and PIM 2 scores at different time points in a developing country”.	14th National Congress of Pediatric Critical Care, Mangalore	November, 2012
13.	Best paper award for paper on “Medication errors in CPR”	3rd National Assembly of Pediatric Emergency Medicine, Guwahati,	March, 2012
14.	Received Best Poster award (Critical Care)	49th Annual conference of the Indian Academy of Pediatrics held at Gurgaon	January, 2012
15.	Best oral paper award for paper entitled “Early Goal Directed Therapy in Pediatric Septic shock- a prospective cohort study”.	13th National Congress of Pediatric Critical Care, Hyderabad	November, 2011

Selected peer reviewed publications (15)

1. **Sankar J**, Singh M, Kumar K, Sankar MJ, Kabra SK, Lodha R. 'Intermittent' versus 'continuous' ScvO₂ monitoring in children with septic shock: a randomised, non-inferiority trial. Intensive Care Med. Epub 2019 Nov 28. doi: 10.1007/s00134-019-05858-w.
2. **Sankar J**, Ismail J, Sankar MJ, C P S, Meena RS. Fluid Bolus Over 15-20 Versus 5-10 Minutes Each in the First Hour of Resuscitation in Children With Septic Shock: A Randomized Controlled Trial. Pediatr Crit Care Med. 2017 Oct;18(10):e435-e445.
3. **Sankar J**, Sankar MJ, Suresh CP, Dubey NK, Singh A. Early goal-directed therapy in pediatric septic shock: comparison of outcomes "with" and "without" intermittent superior venacaval oxygen saturation monitoring: a prospective cohort study. Pediatr Crit Care Med. 2014 May;15(4):e157-67.
4. **Sankar J**, Dhochak N, Kumar K, Singh M, Sankar MJ, Lodha R. Comparison of International Pediatric Sepsis Consensus Conference Versus Sepsis-3 Definitions for Children Presenting With Septic Shock to a Tertiary Care Center in India: A Retrospective Study. Pediatr Crit Care Med. 2019 Mar;20(3):e122-e129.
5. 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.

6. **Sankar J**, Lotha W, Ismail J, Anubhuti C, Meena RS, Sankar MJ. Vitamin D deficiency and length of pediatric intensive care unit stay: a prospective observational study. *Ann intensive Care*. 2016 Dec;6(1):3. doi: 10.1186/s13613-015-0102-8. Epub 2016 Jan 8.
7. **Sankar J**, Shukla A, Dubey N, Sankar MJ. Can inferior vena cava saturations be used instead of ScvO₂ in children with septic shock? *Intensive Care Med*. 2015 Jun;41(6):1141-2. doi: 10.1007/s00134-015-3783-4. Epub 2015 Apr 8.
8. Jain A, **Sankar J***, Anubhuti A, Yadav DK, Sankar MJ. Prevalence and Outcome of Sepsis-induced Myocardial Dysfunction in Children with 'Sepsis' 'With' and 'Without Shock'-A Prospective Observational Study. *J Trop Pediatr*. 2018 Jan 3.
9. Kushwaha KP, Sankar J, Sankar MJ, et al. Effect of peer counselling by mother support groups on infant and young child feeding practices: the Lalitpur experience. *PLoS One*. 2014 Nov 4;9(11):e109181.
10. Sankar MJ, **Sankar J**. Anti-vascular endothelial growth factor (VEGF) drugs for treatment of retinopathy of prematurity. *Cochrane Database Syst Rev* 2016 - Review.
11. **Sankar J**, Singh A, Narsaria P, Dev N, Singh P, Dubey N. Prehospital transport practices prevalent among patients presenting to the pediatric emergency of a tertiary care hospital. *Indian J Crit Care Med*. 2015 Aug;19(8):474-8.
12. 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
13. Ranjit S, **Sankar J**. Fluid Overload in Acute Asthma Exacerbation and Clinical Outcomes. Is There an Association? *Am J Respir Crit Care Med*. 2018 May 1;197(9):1095-1096.
14. **Sankar J**, Das RR, Mahapatro S, Sankar MJ. Effect of a Training Strategy in Improving Medication Fallacies During Pediatric Cardiopulmonary Resuscitation: A Before-and-After Study From a Developing Country. *Pediatr Emerg Care*. 2017 Jul 11.
15. Das RR, **Sankar J***, Dev N. High-dose versus low-dose antivenom in the treatment of poisonous snake bites: A systematic review. *Indian J Crit Care Med*. 2015 Jun;19(6):340-9. Review.