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To  
In-charge  
Sun Pharma Science Foundation  
India

Sub: Nomination of Dr Jhuma Sankar for "Sun Pharma Research Award 2021"

Sir/Madam,

It gives me great pleasure to nominate Dr Jhuma Sankar, my colleague in the department of paediatrics, AIIMS, New Delhi for the award. Dr Jhuma Sankar completed her MD and fellowship in paediatric critical care from the premier Institute of India- Post Graduate Institute of Medical Education and Research, Chandigarh. Following her brief stint at Dr Ram Manohar Lohia Hospital, New Delhi she joined as faculty at AIIMS in June 2014. She has been working with us in the division of Paediatric Pulmonology and Critical care since then.

Dr Jhuma has done seminal research work in the field of septic shock in children. Unlike high income countries, in most developing countries including India septic shock is not only common but also associated with high risk of death of upto 50-70%. Unfortunately, research in this topic is largely restricted to studies from High Income Countries (HICs), with few studies from developing countries including India.

Dr Jhuma took this as a challenge and has been actively involved in addressing the major knowledge gaps in paediatric septic shock. I would like to highlight her 2 major contributions in this topic-

1. Demonstrating that intermittent monitoring of superior vena caval oxygen saturation (ScvO<sub>2</sub>) is feasible and is associated with reduction in mortality rates by 40%. This finding has implication for countries like India wherein continuous monitoring of ScvO<sub>2</sub> - the cornerstone of Early Goal Directed Therapy - is not feasible in most settings.

*Publication: 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: 3.495; Number of citations till date: 54)*

2. Demonstrating that 'continuous' ScvO<sub>2</sub> monitoring as part of EGDT is similar to 'intermittent' ScvO<sub>2</sub> monitoring (published in ICM; received the PCCM senior investigator award 2018 and the AIIMS Excellence in research award 2019).

*Publication: Sankar J, Singh M, Kumar K, Sankar MJ, Kabra SK, Lodha R. 'Intermittent' versus 'continuous' ScvO<sub>2</sub> monitoring in children with septic shock: a randomised, non-inferiority trial. Intensive Care Med. 2020 Jan;46(1):82-92. (Impact factor: 17.7; Number of citations till date: 3)*

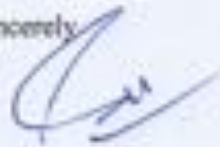
Her contributions have been recognized at both National and International level.

- **National** – Received the prestigious ICMR, HB Dingley Memorial award for the paper on EGDT (received in 2015). Also received the "AIIMS Excellence in Research Award 2019" at the 65<sup>th</sup> AIIMS Foundation day celebrations, AIIMS New Delhi for her work on 'Intermittent' versus 'Continuous ScvO<sub>2</sub>' monitoring in EGDT.
- **International** – She received the 'Pediatric Critical Care Medicine (PCCM) Senior Investigator award at the 9th Congress of the World Federation of Pediatric Intensive and Critical Care Societies', 2018 at Singapore for her work on EGDT. In 2021, she received the Society of Critical Care Medicine *STAR research achievement award* for her work on balanced salt solutions versus 0.9% saline.

With this body of work Dr Jhuma Sankar is suitable for the prestigious 'Sun Pharma Research Awards 2021'.

Thanking you

Sincerely,



(Sushil K Kabra)

