



अखिलभारतीयआयुर्विज्ञानसंस्थान (एम्स), कल्याणी
All India Institute of Medical Sciences (AIIMS), Kalyani
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Justification letter

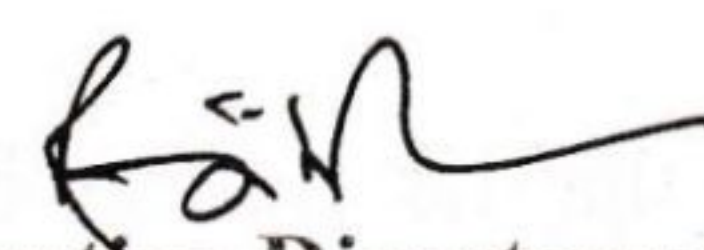
This is to state that Dr. Sourav Burman, MBBS, DNB, IDCCM, IAPC, DM (Neuroanesthesia & Critical Care, AIIMS New Delhi) has total nineteen (19) publications in pubmed indexed National and International journals. He is writing two chapters in books titled "Pain management in craniotomy patients" and "Review questions & answers in Neuroanesthesia". He has been awarded best paper twice in Indian Society of Anesthesiologist's (ISA) Delhi chapter in 2015 and 2020 respectively. The papers were as follows: -

- Evaluation of analgesic and hemodynamic efficacy of ephedrine versus lignocaine during propofol injection. ISACON Delhi Chapter, 2015.
- Anaesthetic management of recurrent pinealocytoma excision associated with Erdheim Chester disease" ISACON Delhi Chapter, 2020.

He has received the second prize in Quiz competition at Neuroanaesthesia and Neurocritical care update at AIIMS, New Delhi, 2017. He is an inclined and keen researcher on the topic of "Neuroinflammatory markers in CNS infections". He has been working on a project with "Institute of Neurosciences Kolkata" for detecting the biomarkers derived from tumour cells and extracting genetic information, which may provide a strong basis for the diagnosis and the individualized treatment of brain tumour patients. At our esteemed institution we have high volume of neurosurgical cases and in the past one year we have had 4-5 cases of postsurgical meningitis. Now post-surgical meningitis is an indolent iatrogenic infection which causes heavy morbidity and mortality. The patients generally have an extended hospital and ICU stay, use of expensive drugs and need for redo surgery and CSF diversion procedures. Sometimes the need for intrathecal antibiotics also arises and that itself is an added burden on the escalating hospital expenditures. Hence, a multidisciplinary approach is needed to handle such cases.

The goal of the study is to compare the efficacy of two empirical drugs in post-surgical meningitis. Also, this study will perform a comparative cost efficacy analysis on two standard empirical antibiotics used in post-surgical meningitis. This study will help us to identify at risk patients who are prone to develop post-surgical meningitis and require long term hospital support. Early identification will help to triage such case, properly manage and send to ward. As we all know that HCAM poses a huge economical burden on

the healthcare system and society. This study will analyse the hospital costs incurred by using both the empirical regimens in terms of length of stay, ventilator days, expensive medicines and repeated surgical procedures. To the best of our knowledge such a study has not been executed in a tertiary care centre in eastern India. Hence, this study will be a multidisciplinary approach involving all the allied departments to design a protocol and act accordingly to identify and prevent and treat such cases.



Signature of the Executive Director of the Institute

(With name and stamp)

Place: KALYANI

Date: 30/08/2024

Prof.(Dr.) Ramji Singh
Executive Director
All India Institute of Medical Sciences
(AIIMS) Kalyani, West Bengal