

Details of Publications

1. S Burman, R Sehgal, S Gupta, N Gupta, J Sood. Evaluation of analgesic and hemodynamic efficacy of ephedrine versus lignocaine during propofol injection. *Curr Med Res Pract* 2019; 9:145-149.
 - This was a randomized controlled trial which compared the efficacy of adding ephedrine to propofol to mitigate its pain. Study was significant since it showed that there was a cheaper alternative to reduce pain associated with propofol injection as compared with other costlier commercial preparations of painless propofol.
2. Burman S, Mahajan C, Rath G P. Radiation Concerns for the Neuroanesthesiologists. *J Neuroanaesth Crit Care* 2021; 08(01): 003-011.
 - This was a narrative review which highlighted the average dose and duration which is permissible to medical personnel like neuroanesthesiologist's for personal wellbeing. Also, this article stresses on the fact that (ALARA) principles must be abided at all times.
3. Cardiovascular Complications After Traumatic Spinal Cord Injury Kumar D, Burman D, Rath P, Bindra D, Chaturvedi P, Goyal D. AIIMS, New Delhi, India. Abstracts From the 47th Annual Meeting of the Society for Neuroscience in Anesthesiology and Critical Care, Phoenix, AZ, September 12-14, 2019. *Journal of Neurosurgical Anesthesiology* 31(4): p 460-528, October 2019. | DOI: 10.1097/ANA.0000000000000630
 - Cardiovascular manifestations like bradycardia and hypotension very common after cervical spine injury, needs urgent attention in especially high-risk ASIA- A injuries. This observational study reported that there is a high chance of such cardiac events in injuries with C3 and above.

4. Burman S, Sharma PB, Tyagi M, Singh GP, Chaturvedi A. Transport Circuit during COVID-19 Crisis: A Simple Modification of the Bain's Circuit for Safety of Healthcare Workers. *Indian J Crit Care Med* 2020;24(12):1281–1283.
 - A novel technique of modifying the Bain's circuit to reduce the exhaust gases from the operator end, in order to safeguard the medical personnel from getting the viral load during COVID times.
5. Burman S, Garg R, Bhatnagar S, Mishra S, Kumar V, Bharati SJ, Gupta N. Awareness and Attitudes of Primary Caregivers toward End-of-Life Care in Advanced Cancer Patients: A Cross-Sectional Study. *Indian J Palliat Care*. 2021 Jan-Mar;27(1):126-132
 - A prospective end of life study which assessed the care giver's burden on the society and the mental anguish of end of life care patients, it was the first study in Indian scenario that compared the Quality of Life (QoL) of patients suffering from cancer.
6. Radhakrishna N, Khandelwal A, Chouhan RS, Pandia MP, Burman S, Mahapatra RR. Complications and Neurological Outcome following Intraoperative Aneurysm Rupture in Adult Patients Undergoing Intracranial Aneurysmal Clipping: A Retrospective Study. *J Neurosci Rural Pract* 2021;12:382–388.
 - Intraoperative aneurysm rupture (IOR) is a nightmare & it creates a lot of burden among the healthcare costs and poor neurological outcome of patients associated with IOR. Thus, it was the observational study that found out poor grade aneurysms and large dome to neck ratio, cisternal blood are the causes of poor neurological outcome.
7. Burman S, Khandelwal A, Chaturvedi A. Recent Advances in Trigeminal Neuralgia and Its Management: A Narrative Review. *J Neuroanaesth Crit Care* 2021; 8(02): 112-117
 - This was a narrative review that highlighted the role of recent advances in trigeminal neuralgia patient like botox and cooled radio frequency lesioning.

8. S Burman, V Chowdhary, C Mahajan, I Kapoor, H Prabhakar. Is It Time to Modify Definition of Occult Pneumothorax! J Neuroanaesth Crit Care 2021; 08(02): 147-148
 - Interesting case report of an occult pneumothorax not detected in ultrasound and xray but high clinical suspicion was there and it was finally detected in CT scan.
9. S Burman, Gyaninder P. Singh, Pandia M P, Khandelwal A Sudden Severe Bradycardia in a Child Following Induction Dose of Cisatracurium: A Rare Entity. J Neuroanaesth Crit Care 2021; 08(02): 149-150
10. S Burman, Dutta A, Sethi N. Fiberoptic aid for awake double lumen tube (DLT) placement in an anticipated difficult airway: Activated stylet or DLT introducer? BJA: British J Anaesth 113 (e Letters Supplement) 2014.
 - Novel technique of introducer styled stylet for intubating a very difficult airway case, the fiberoptic scope fashioned as a charged stylet with light source did the job.