



Prof. (Dr.) Sandeep Sahu

Brief Biodata:

MD, DNB, PDCC, MAMS, FACEE, FICCM, ICMR IF-USA EM&T

Professor: Department of Anaesthesiology, Intensive Care & Perioperative Medicine

Consultant: Transplant Anaesthesiology and Critical Care, Emergency & Trauma

Secretary: Faculty Forum of SGPGIMS

Program Director:

SGPGI Cardiac Resuscitation Course (Basic & advance),
Essential of Trauma Life Support Course (ETLS)
POCUS in Emergency Trauma and Critical Care,
Essential of Trauma, Disaster and Emergency Medicine (ETDM),
First Aid in Medical Emergencies (FAME)

Instructor of ATLS (ACS, USA), ACLS (AHA, USA) Courses

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- **Fellowship in Critical Care Medicine (FICCM) of ICCM, ISCCM**
- **Fellowship in Emergency Medicine (FACEE) of ACEE-India from Academic college of Emergency Expert in India**
- **ICMR International Fellow in Trauma and Emergency Medicine**
- **Postgraduate Teaching and research experience: 15 years**
- **Anesthesia Examiner of MD, DNB, DA of various University and NBE**
- **Thesis Examiner of Various University (AIIMS, PGIMER)**
- **Awards: 10 National and International awards recipient including ISA- KPR Young Anesthesiologists Award 2014, National Award Y. G. Bhojraj 2015)**
- **Travel grant awards 14 (ICMR, DST, CSIR, IAHP, IASP, WFSA, EMSSA, S. Korea, Israel)**

- **Editorial Board member (IJA, JETS, Indian Anaesthetist Forum etc)**
- **Journal Reviewer:** Prestigious International and National Journals
- **Research Project done: more than Ten**
- **Thesis Research project:** more than fourteen
- **Total Publications: 85**
- **Book chapters: Nineteen in various books**
- **Journal publications: 65**

Publications in last 5 years: Forty

Original articles (with citations): 11

- Srivastava D, Verma R, Singh TK, Verma A, Chandra A, **Sahu S**, et al. Ultrasound-guided Anterior Quadratus Lumborum Block for Postoperative Pain after Laparoscopic Pyeloplasty. A Randomized Controlled Trial. **Anesth Essays Res 2020; 14:233-8**
- Kaur U, **Sahu S**, Srivastava D, Singh TK, Mishra P, Bhadauria D, Srivastava A. To compare the intraoperative goal directed fluid therapy by transoesophageal Doppler vis-à-vis FloTracT in patients undergoing living related renal transplantation, a prospective randomised controlled study. **Indian Journal of Anaesthesia 2020; 64:220-226**
- **Sahu S**, Saeed Z, Srivastava D, Singh TK, Srivastava A, Bhadauria D. Comparison of analgesic efficacy of ropivacaine and levobupivacaine in Ultrasound guided transversus abdominis plane block and port site infiltration after laparoscopic live donor nephrectomy, a double blind randomized parallel group trial. **Bali Journal of Anaesthesiology 2020; 4:188-93.**

- Bhargava T, Srivastava D, Kumar A, Singh TK, **Sahu S**. Intravesical dexmedetomidine in renal transplant recipients: A potential step to reduce postoperative catheter-related discomfort. accepted in **Journal of Clinical Anesthesia** **2020** **December**; Volume:110010. <https://doi.org/10.1016/j.jclinane.2020.110010>
- Sam FA ,**Sahu S**, Ponnappan TK , Saeed Z, Sindwani G, Aneesh Srivastava A, Prasad N. Potential applicability of perioperative TEG to access the coagulopathies in live related renal transplantation - prospective observational pilot study .accepted in **Saudia Journal of Kidney Diseases and Transplantation 2020 (SJKDT_250_20, a head of print)**
- Sindwani G, **Sahu S**, Suri Aditi, Sanjoy S, Manu T. Efficacy of ultrasound guided quadratus lumborum block as postoperative analgesia in renal transplant recipients – a randomized double-blind clinical study. **Indian J Anaesth 2020 July-Sept;64(7):605-610**
- Singh TK, **Sahu S**, Agarwal A, Gupta D, Mishra P. Dexmedetomidine for prevention of early postoperative catheter-related bladder discomfort in voluntary kidney donors: Prospective, randomized, double-blind, placebo-controlled trial. **J Anaesthesiol Clin Pharmacol. 2018 Apr-Jun;34(2):211-215.**
- Chatterjee A, **Sahu S**, Paul M, Singh T, Singh S, Mishra P. Comparison of efficacy of palonosetron-dexamethasone combination with palonosetron or dexamethasone alone for prophylaxis against post-operative nausea and vomiting in patients undergoing laparoscopic cholecystectomy. **Indian J Anaesth. 2017; 61(12): 978-984.**

- Sahu RN, Sardhara J, Singh AK, **Sahu S**, Chovatiya P, Srivastava AK, Jaiswal AK, Mehrotra A, Das KK, Bhaisora KS, Behari S. Efficacy of double drug impregnated autologous coagulum patch (DDIAC) verses Single drug impregnated autologous coagulum (SDIAC) patch, in post-operative pain management after spinal surgery. **Asian J Neurosurg. 2018 Jul-Sep;13(3):614-618.**
- Srivastava D, **Sahu S**, Chandra A, Tiwari T, Kumar S, Singh PK. Effect of intraoperative transesophageal Doppler-guided fluid therapy versus central venous pressure-guided fluid therapy on renal allograft outcome in patients undergoing living donor renal transplant surgery: a comparative study. **J Anesth. 2015 :29(6):842-849**
- Sujeet Rai, **Sahu S**, Chitra, Agarwal A, Verma A. Prevention of Post-Anaesthetic Shivering After General Anaesthesia, Ondansetron Verses Butorphanol, A Randomized Double-Blinded, Placebo-Controlled Study. Indian Journal of Anaesthesia and Analgesia 2016: 3(2):137-143

Case Reports (with citations):10

- Suri A, Sindwani G, **Sahu S**, Gupta N, Sureka S. Surgeon assisted quadratus lumborum block - 'Gaurav-Aditi' technique case series. J Clin Anesth. 2017 Dec;43:48-49.
- Sindwani G, **Sahu S**, Suri A, Saeed Z. Bilateral quadratus lumborum block for postoperative analgesia in a Von Hippel-Lindau syndrome patient undergoing laparoscopic radical nephrectomy. Saudi J Anaesth. 2017 Oct-Dec;11(4):513-514.
- **Sahu S**. What's new in Emergencies Trauma and Shock - Adequate Pain Management in the Emergency Department - A Dream Come True! J Emerg Trauma Shock. 2017 Oct-Dec;10(4):167-168 (Editorial).

- Riaz R Mohd. , Priya V, Patro A, **Sahu S**. A novel use of gum elastic bougie to manage an unanticipated difficult airway due to vallecular cyst . *Anesth Essays Res*. 2017 Jul-Sep;11(3):802-803.
- Sindwani G, **Sahu S**, Singh UP, Khanna R. Anesthetic management of a patient with Yamaguchi syndrome for laparoscopic radical nephroureterectomy. *Ann Card Anaesth* 2017;20:119-20
- **Sahu S**, Kishore K, Sachan V, Chatterjee A. A novel and innovative way of Nasogastric tube insertion in anaesthetised intubated patients. *Anaesthesia Essay and Research* 2017;11(1):248-50
- Agarwal S, **Sahu S**, Shamim R. Indigenous transducer fixation device for invasive haemodynamic monitoring during renal transplantation. *Indian Journal of Transplantation* 2016 :10; 55–56.
- Singh VK, **Sahu S**, Ratan R. Role of Epi-aortic Ultrasound Probe Intraoperatively to give Clamp over Inferior Vena Cava while Removing Renal Cell Carcinoma from IVC along with Nephrectomy. *International Journal of Anatomy, Radiology and Surgery*, 2016 Jan, Vol 5(1) 56-57
- Tiwari T, **Sahu S**. et al. Anaesthetic Management of live donor renal transplantation in a recipient with Wagner's granulomatosis. *Indian Journal of Transplantation* 2015; 9(4) 159–161.
- Srivastava D, Tiwari T, **Sahu S**, Abhilash Chandra A, Dhiraaj S. Anaesthetic management of Renal Transplant Surgery in Patients of Dilated Cardiomyopathy with Ejection Fraction Less Than 40%. *Anesthesiology Research and Practice* 2014, 1- 5. Hindawi Publishing Corporation. Article ID 525969.

Book Chapters (with citations): 19

**Editor in chief of Textbook; Manual of Clinics in Anaesthesiology by CBS
Publisher in process of publication 2020**

1. **First Aid Module for Community 2019, an Initiative of WHO, MOHFW-India** as Expert and contributor for capacity building of common people in First Aid.
2. **Sandeep Sahu, Hemlata, Indu Lata. Pediatric Thoracic Anaesthesia** ,in *textbook of Pediatric Anaesthesia* By Dr Namita Padvi et al published by CBS

Publishers & Distributors Pvt. Ltd. First Edition 2015, Chapter no. 26:Page 359-372. ISBN:978-81-239-2589-9

3. **Sandeep Sahu, Premraj Singh, Indu Lata. Perioperative Management of Paediatric Trauma patient**, in *textbook of Pediatric Anaesthesia* by Dr Namita Padvi et al published by CBS Publishers & Distributors Pvt. Ltd. First Edition 2015, Chapter no.34:Page 450-459. ISBN:978-81-239-2589-9
4. **Sandeep Sahu, Indu Lata. Spine Immobilization in Trauma Patient in Textbook of ICU Procedures** by Dr Mohan Gurjar Published by JP Publication First Edition 2016. Chapter no.39: Pages 460- 476. ISBN no. 978-93-5152-422-9.
5. **Indu Lata, Sandeep Sahu, Sanjay Agarwal. Trauma in Pregnancy in textbook of Obstetric Anaesthesia** by Dr Amit Padvi et al published by CBS Publishers & Distributors Pvt. Ltd. First Edition 2016, Chapter no.17, Pages;235-251. ISSN: 9789385915239
6. **Sandeep Sahu, Chetna Shamsery, Indu Lata. Obstetric Anesthesia for non-obstetric Procedures in textbook of Obstetric Anaesthesia** by Dr Amit Padvi et al published by CBS Publishers & Distributors Pvt. Ltd. First Edition 2016, Chapter no.18, Pages;252-270. ISSN: 9789385915239
7. **Sandeep Sahu, Mekhala Paul, Arindam Chatterjee. Nutritional Therapy in ICU in textbook of Drugs in Anaesthesia and Critical Care** chapter no. 24 pages no. 294-293 by Dr Namita Padvi et al 2019, CBS Publisher, ISBN:9789387964259
8. **Sandeep Sahu, Mekhala Paul, Arindam Chatterjee. Antibiotics Therapy in Intensive care unit in Drugs in Anaesthesia and Critical Care** chapter no. 23 pages no. 266-293 by Dr Namita Padvi et al 2019, CBS Publisher, ISBN:9789387964259
9. **Sandeep Sahu, Alka Verma et al. USG of Diaphragm in textbook Ultrasound in Critical Care** 2019, chapter no.15 A pages no. 238-251 by Dr Punit Khanna et al (AIIMS New Delhi) by JAYPEE publisher, ISBN:9789352701681
10. **Sandeep Sahu et al. Invasive monitoring for assessing fluid imbalance** in textbook of Essential Principles of fluid therapy (in process of publication 2020)
11. **Sandeep Sahu et al. Perioperative Fluid therapy in hepatic patients** in textbook of Essential Principles of fluid therapy (in process of publication 2020)

12. **Sandeep Sahu, et al. Perioperative fluid management in renal patient** in textbook of Essential Principles of fluid therapy (in process of publication 2020)
13. **Sandeep Sahu, Tapas Kumar Singh et al. Musculoskeletal Trauma** in Textbook of ISCCM Manual of Trauma Care by by Dr Simant Jha et al Ed 2020 chapter 8:124-136, ISBN 9789389776874
14. **Sandeep Sahu, Mekhala Paul et al. Perioperative Critical Care management of Blunt Trauma Chest Surgeries** in textbook entitled **Perioperative Critical Care** in 2020 by Dr Sohan Solanki et al, Tata Memorial Hospital, Mumbai
15. **Sandeep Sahu, Mekhala Paul , Arindam Chatterjee . Vascular Access in adults** in textbook of Essentials of Anaesthesiology” for undergraduates by Dr Punit Khanna et al (AIIMS New Delhi) by Thieme Medical and Scientific Publishers Private Limited.
16. **Sandeep Sahu, Neel Srivastava et al. Anaesthesia for Liver diseases** in textbook of Essentials of Anaesthesiology” for undergraduates by Dr Punit Khanna et al (AIIMS New Delhi) by Thieme Medical and Scientific Publishers Private Limited.
17. **Sandeep Sahu, Ushkiran . Anaesthesia for renal diseases** in textbook of Essentials of Anaesthesiology” for undergraduates by Dr Punit Khanna et al (AIIMS New Delhi) by Thieme Medical and Scientific Publishers Private Limited.
18. **Sandeep Sahu , Mekhala Paul , Arindam Chatterjee. Principles of Infection Prevention and Control in ICU** in textbook of **Infectious Diseases in the Intensive Care Unit 2020**, Chapter 26, Pages 379-388 by Springer nature Singapore Pte Ltd. ISBN 978-981-15-4038-7, DOI:10.1007/978-981-15-4039-4_26
19. **Sandeep Sahu, Nimisha Verma, Dhuruv Jain. Perioperative and anesthetic considerations in Maxillofacial trauma. In book titled Maxillofacial Trauma - a clinical guide”** in 2020 by Springer Nature

Conferences organised in the last 2 years:

- **Program Director of SGPGI-Advance cardiac resuscitation course done till now 27 courses, since 2017**
- **Program Director of SGPGI - Essential of Trauma Life Support Course (ETLS) done till now 12 courses since 2017**

- **Program Director of SGPGI – First Aid in Medical Emergencies (FAME) for school children** till now 6 courses done
- **Program Director of SGPGI PG Anaesthesiology Refresher course,** annual event since last eight year