



Government of West Bengal
Institute of Postgraduate Medical Education & Research
Centre of Excellence in Medical Education & Research

Anesthesiology

FACULTY

Professor & Head	Dr. Arpita Laha MD
Professor	Dr. Sandip Sinha, MD Dr. Mohanchandra Mandal, MD
Associate Professor	Dr. Chiranjib Bhattacharyya DA, MD Dr. Sujata Ghosh, DA, DGO, MD Dr. Maitreyee Mukherjee MD Dr. Baisakhi Laha, DA, MD Dr. Soma Chakraborty, MD
Assistant Professor	Dr. Chaity Maji, DA, MD Dr. Anjan Chattopadhyay, DCH, MD Dr. Sangita Mandal, MD
Clinical Tutor	Dr. Bhabani Maitra DA Dr. Madhusree Banerjee, MD Dr. Sovan Sikdar, MD Dr. Payel Mitra, MD Dr. Tanmoy Bhadra MD Dr. Rounak Hazari MBBS Dr. Narottam Biswas, MBBS

Medical Officers

Dr. Arunabha Sarkar MBBS Dr. Biswajit Khanra MBBS	Dr. Srabanti Barman MBBS Dr. Prabir Chandra Das MBBS
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Senior Residents

	Dr Titas Mandal MD Dr Ashabari maiti MD Dr Roshnita Sengupta MD
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Postgraduate (MD Anesthesiology) Trainees

Session 2018-2021	Session 2019-2022	Session 2020-2023
Dr. Soham Ghosh Dr. Jayasree Mitra Dr. Singdhadeb Ghosh Dr. Manshi Gandhi Dr. Salini Mukhopadhyay Dr. Sanghita Layek Dr. Monirul Islam Dr. Ratnadwip Paul Dr. Nilotpai Sikdar	Dr. Dhrubojyoti Sengupta Dr. Sohini Dutta Dr. Arghya Saha Dr. Swati Samanta Dr. Ananya Saha Dr. Arif Hossain Dr. Prem Mohan Gupta Dr. Tania Singha Roy Chowdhury Dr. Nazrana Alam	Dr. Purva Tulsyan Dr. Agnimitra Ghosal Dr. Kritika Kumari Dr. Abanish Chandra Ray Dr. Tanay Debnath Dr. Mrinal Kanti Roy Dr. Vaskar Roy Dr. Sweta Shaw Dr. Amit Kumar Biswas

Dr. Bimal Kumar Mandal Dr. Suman Pal Dr. Sayantan Bose Dr. Md. Sanual Islam	Dr. Sanatanu Mallick Dr. Ankita Kar Dr. Kajol Kumar Sadhukhan	Dr. Shaista Parveen Dr. Sandip Maji Dr. Sarfaraaz Rahaman Dr. Suman Halder Dr. Himalaya Dutta Dr. Joy Das Dr. Sirshanu Saha Dr. Dibyajyoti Basu Dr. Krishnendu Sahu
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TRANSFERS, POSTINGS AND SUPERANNUATIONS (01.12.2020 - 30.11.2021)

- Prof Dr Gautam Piplai MD, superannuated on 31st March 2021.
- Prof Dr Rita Pal MD, superannuated on 30th June 2021.
- Dr Amrita Roy MD, Asst. Professor transferred out.
- Dr. Debojyot Das MD, Clinical tutor transferred out.

ACADEMIC ACTIVITIES

- Regular classes held thrice a week. Monthly examination for assessment.
- Undergraduate teaching, organized regular online classes for UGs during Covid pandemic.
- Attended ISA National weekly CME program in virtual platform
- Attending CME program organized by ISA (WB Branch) at different medical colleges and private medical institutions by post graduate trainees and teachers.
- Attending various conferences at the state as well as national levels by post graduate trainees and teachers.
- Paper presentation at various conferences by post-graduate trainees and teachers in both National & State program
 - NATIONAL (Participation & Faculty)
 - NATIONAL AIRWAY CONFERENCE
 - SOAPCCON
 - ISACON 2021 AHMEDABAD
 - ZONAL (Participation & Faculty)
 - ISACON EAST ZONE
 - STATE (Participation & Faculty)
 - Organised 42nd State ISACON WEST BENGAL 2021
 - RAJASTHAN STATE CONFERENCE 2021
 - ISACON ORISSA 2021
 - TMC DAC
- Delivery of lectures or orations and taking part in panel discussion by teachers at conferences of the state and national level.
- Conducting Annual Post Graduate Assembly where postgraduate students from various medical colleges from this state and also other states participate which helps the postgraduate trainees to prepare better for their examination.
- Workshops organized
 - AIRWAY WORKSHOP
 - ULTRASOUND IN ANAESTHESIA
 - HAEMODYNAMIC MONITORING
 - CPR
- Rotating allotment of postgraduate students of IPGME&R and other teaching institutes to ITU, Transplant & neonatology OT, Cardiothoracic OT of Department of Cardiac Anesthesiology, IPGME&R, and Neurosurgery OT of Bangur Institute of Neurosciences.
- Diploma in OT technology program: Teaching & assessment

Research completed / ongoing as MD thesis work

Session 2018-21

Student	Name of Guide/Co-Guide	Topic
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Dr. Sanghita Layek	Dr. Sankari Santra	Controlled hypotension during functional endoscopic sinus surgery – a comparative evaluation between propofol and dexmedetomidine infusion.
Dr. Manshi Gandhi	Dr. Chiranjib Bhattacharyya	A comparative study of analgesic efficacy of ultrasound guided serratus anterior plane block versus conventional thoracic paravertebral block for modified radical mastectomy under general anesthesia.
Dr. Soham Ghosh	Dr. Sankari Santra Dr. Rajasree Biswas	A randomized trial of USG guided fascia iliaca block vs. '3 in 1' block in patients undergoing lower limb surgeries.
Dr. Ratnadwip Paul	Dr. Chiranjib Bhattacharyya	Comparison between gabapentin and pregabalin as premedication before spinal anesthesia in lower abdominal surgery.
Dr. Sayantan Bose	Dr. Sarbari Swaika Dr. Suchismita Mallick	Haemodynamic response to tracheal intubation in hypertensive patients: comparison between direct laryngoscopy and video laryngoscopy.
Dr. Salini Mukhopadhyay	Dr. Amita Acharjee	A comparative study of hemodynamic stability through intraoperative fluid administration guided by stroke volume variation assessment versus conventional parameters in terms of inferior vena cava diameter and collapsibility index during spine surgery.
Dr. Bimal Kumar Mandal	Dr. Sujata Ghosh	Transnasal sphenopalatine ganglion block for post-dural puncture headache of moderate severity: an observer blind, parallel group randomized control trial.
Dr. Suman Pal	Dr. Saikat Niyogi	A clinical comparison of analgesic efficacy of dexmedetomidine and dexamethasone as adjuvant to ropivacaine in erector spinae plane block during lumbar spine surgery.
Dr. Nilotpal Sikdar	Dr. Sarbari Swaika Dr. Suchismita Mallick	Pain measurement in mechanically ventilated critically ill patient: Assessment of the integrity of the Behavioral Pain Scale (BPS) and the Critical Care Pain Observation Tool (CPOT).
Dr. Md. Sanaul Islam	Dr. Maitreyee Mukherjee Dr. Amrita Ray	A comparative study of hemodynamics, electrolytes, metabolic changes and immediate postoperative recovery during prone and complete supine percutaneous nephrolithotomy with dexmedetomidine infusion.
Dr. Monirul Islam	Dr. Amita Acharjee	Comparison of 3% hypertonic saline and 20% mannitol for reducing intracranial pressure assessed by USG guided optic nerve sheath diameter in patients undergoing craniotomy.
Dr. Jayasree Mitra	Dr. Sankari Santra Dr. Rajasree Biswas	Comparison of classical interscalene block and combined suprascapular nerve block with axillary nerve block for post-operative analgesia after shoulder arthroscopic surgery.
Dr. Snigdhadeb Ghosh	Dr. Rajat Choudhuri	Association of venous to arterial carbon dioxide tension difference (Δ PCO ₂) with cardiac output monitoring in resuscitation therapy of critically ill patient.

Session 2019-22

Dr. Dhrubojyoti Sengupta	Dr. Sarbari Swaika	Impact of goal directed vs liberal fluid therapy on flap outcome in microvascular free flap reconstructive surgery : a randomized controlled trial.
Dr. Sohini Dutta	Dr. Baisakhi Laha Dr. Maitrayee Mukherjee	Comparative evaluation of analgesic efficacy of different dose of dexamethasone as adjuvant to levobupivacaine in ultrasound guided brachial plexus block in upper limb surgeries.
Dr. Arghya Saha	Dr. Sarbari Swaika	Adaptive support ventilation (ASV) vs conventional modes of mechanical ventilation for respiratory management of neurosurgical patients in critical care unit: a randomized controlled trial.
Dr. Swati Samanta	Dr. Chiranjib Bhattacharyya	USG guided vs anatomical landmark guided spinal anaesthesia in elderly patients in infraumbilical surgery.
Dr. Ananya Saha	Dr. Maitrayee Mukherjee	Effects of intravenous clonidine on hemodynamics and plasma cortisol level during laparoscopic urological surgeries in a tertiary care hospital
Dr. Arif Hossain	Dr. Amita Acharjee Pahari	Attenuation of metabolic stress response by preoperative oral glucose loading in patients scheduled for spinal surgery under general anesthesia - a RCT
Dr. Prem Mohan Gupta	Dr. Sujata Ghosh	Effect of tranexamic acid on blood loss and hemoglobin level in patients undergoing PCNL: a comparative study between single bolus dose and bolus with iv infusion.
Dr. Tania Singha Roy Chowdhury	Dr. Chiranjib Bhattacharyya	A comparative study of sequential combined spinal epidural vs spinal anesthesia in lower abdominal surgery.
Dr. Nazrana Alam	Dr. Saikat Neogi	Optimum dose of thiopentone for cerebral protection during

		clipping of intracranial aneurysm.
Dr. Sanatanu Mallick	Dr. Arpita Laha	Role of leg elevation in prevention of post-spinal hypotension in patients undergoing lower uterine segment caesarean section -a prospective observational study.
Dr. Ankita Kar	Dr. Sarbari Swaika	Controlled hypotension in functional endoscopic sinus surgery : a randomized controlled trial comparing esmolol and dexmedetomidine.
Dr. Kajol Kumar Sadhukhan	Dr. Amita Acharjee Pahari	Comparison of opioid consumption with and without lignocaine infusion in lumbar fixation surgery : a randomized double blinded placebo controlled study

Session 2020-23

Dr. Vaskar Roy	Prof Dr Mohanchandra Mandal	Nasogastric tube insertion in anaesthetized, intubated, adult patients: A comparison between conventional blind insertion technique and 'Throat pack in-situ' technique.
Dr. Joy Das	Prof Dr Amita Acharjee Pahari Dr Arghya Ray Chowdhuri	Serum sodium and water imbalance after sellar, suprasellar, parasellar surgeries: A prospective observational study.
Dr. Himalay Dutta	Dr Baisakhi Laha/ Prof Dr Sarbari Swaika	Monitoring of General Anaesthesia by qCON and qNOX indices versus conventional clinical parameters in urological surgery – A Randomised Clinical trial.
Dr. Amit Kumar Biswas	Prof Dr Sandip Sinha	Comparative study between ultrasound guided Axillary Brachial Plexus Block and Elbow block in patients undergoing surgeries of wrist and hand.
Dr. Sweta Shaw	Prof Dr Sandip Sinha	Competitive Study of efficiency and safety of USG guided Spinal Anaesthesia versus USG guided lumbar plexus and Sciatic Nerve block using Bupivacaine in lower limb Orthopaedic Surgery.
Dr. Agnimitra Ghoshal	Prof Dr Amita Acharjee Pahari	Comparative study between the effect of Dexmedetomidine and Lignocaine infusion in craniotomy on hemodynamics, Fentanyl requirements and intraoperative analgesia.
Dr. Kritika Kumari	Prof Dr Amita Acharjee Pahari	Comparative study of enhanced recovery between opioid free anaesthesia and opioid based anaesthesia in lumbar fixation surgeries.
Dr. Sarfaraz Rahaman	Dr Sujata Ghosh/ Prof Dr Sarbari Swaika	Comparison between two techniques of Radial artery cannulation: Ultrasound guided and conventional palpatory method among patients undergoing Urogenital surgeries: A prospective Randomised Control trial.
Dr. Purva Tulsyan	Prof Dr Mohanchandra Mandal	Comparison of Ultrasound guided Transversus Abdominis Plane block versus Epidural block in Nephrectomy patients: A prospective randomized analysis of Post operative analgesia and motoric ability.
Dr. Suman Haldar	Dr Maitreyee Mukherjee/ Dr Amrita Roy	Comparison between landmark guided and USG guided Caudal Epidural block in paediatric patients undergoing infra-umbilical surgery.
Dr. Dibyajyoti Basu	Prof Dr Arpita Laha	Comparison of maintenance and fast track recovery following anaesthesia with a combination of intravenous Dexmedetomidine and Desflurane versus Sevoflurane in Spinal Surgeries: A Prospective Randomised Study.
Dr. Abanish Chandra Ray	Prof Dr Arpita Laha	Comparative study of effects of Sevoflurane and Propofol during induction, maintenance and recovery of General Anaesthesia in adults.
Dr. Mrinal Kanti Roy	Prof Dr Mohanchandra Mandal	Nasogastric tube insertion in anaesthetised, intubated, adult patients: A comparison between the 'Reverse Sellick's manoeuvre with throat pack in-situ' and Reverse Sellick's manoeuvre alone.
Dr. Krishnendu Sahu	Dr Chiranjib Bhattacharyya	Blockbuster Laryngeal Mask Airway in paediatric day care surgery.
Dr. Tanay Debnath	Prof Dr Arpita Laha	Correlation between Pre-op Ultrasonographic airway assessment and laryngoscopic view in an adult patient with difficult airway.
Dr. Sandip Maji	Dr Tapas Ghose	Videolaryngoscopy may be a safer alternative to conventional direct laryngoscopy for tracheal intubation in times of Covid 19
Dr. Shaista Parveen	Dr Chiranjib Bhattacharyya	Comparison between Blockbuster Laryngeal Mask Airway and Proseal Laryngeal Mask Airway in Paediatric Patients under Controlled Ventilation.

FACULTY NEWS

Dr. Arpita Laha , Professor and Head

Training received

- Self-study on line course on Transplant procurement and management - Donation and Transplant Institute
- Completed the NMC mandated Basic Course in Biomedical Research in Sept 2021.

Examiner in university examinations

- Acted as convenor in MD Anaesthesiology Examination 2021, held on 5th & 6th Aug 2021.
- Acted as external examiner in MD Anaesthesiology Exam 2021 held in NRS Medical College Kolkata on 2nd Aug 2021.

Organization of conferences / workshop

- Acted as organizing chairperson in hybrid 42nd Annual State conference of Anaesthesiology in combination with ISA West Bengal chapter on 2nd and 3rd Oct 2021 held at IPGMER.
- Acted as chairperson in Poster presentation Competition in 42nd Annual State Conference.
- Acted as organizing chairperson in Airway workshop held on 10th Oct 2021.
- Organized USG workshop in the department on the last 25th Sept 2021
- Speaker in on line CME program on advance supraglottic airway on 20th June 2021

Dr. Mohanchandra Mandal, Professor

Training received in Biomedical Research:

- Completed the NMC mandated Basic Course in Biomedical Research in December 2020.

Publications of Journal articles

1. Mandal M, Bhattacharya D, Esquinas AM. Diaphragm and Lung Ultrasound Indices in Prediction of Outcome of Weaning from Mechanical Ventilation in Pediatric Intensive Care Unit: Correspondence. *Indian J Pediatr.* 2021;88(6):627.
2. Bhakta P, Reazaul Karim HM, Mandal M, O'Brien B, Esquinas AM. Barotrauma in covid - Causes and consequences. *Ann Med Surg (Lond).* 2021 Apr;64:102189. doi: 10.1016/j.amsu.2021.102189. Epub 2021 Mar 4.
3. Pradipta Bhakta, Habib Md Reazaul Karim, Mohanchandra Mandal, Brian O'Brien. Anaesthetising the septic patient: Comparing drug combinations. *Anaesthesia Critical Care & Pain Medicine*, 2021;40(3):100864 <https://doi.org/10.1016/j.accpm.2021.100864>.
4. Bhattacharjee I, Sarkar S, Bhattacharyya C, Das D, Mandal M. I-Gel and LMA classic in the hands of novice: A comparative study. *Asian J Med Sci [Internet].* 2021;12(9):103-10.
5. Dhakal SD, Sarkar S, Bhattacharyya C, Mandal M. Conventional Blind Method Versus SORT Manoeuvre of Nasogastric Tube Insertion in Anaesthetised Patients: A Randomised Clinical Study. *Journal of Clinical and Diagnostic Research.* 2021 Oct 1;15(10):UC19-UC23.

Publications of Book chapters

1. Mohanchandra Mandal, Pradipta Bhakta, Brian O'Brien. Recommendations for patient-ventilator non-invasive ventilation monitoring: impact on hospital admissions, prevention of readmissions and clinical outcomes. In: Esquinas A, Editor, *Principles and Practices of Non-Invasive Mechanical Ventilation Monitoring: from Intensive Care to Home Care*; 2021, Chap 50, pp.481-492; Nova Science Publishers, Inc. USA.
2. Brian O'Brien, Mohanchandra Mandal, Pradipta Bhakta. Pulmonary function testing as an Assessment and Guide for Chronic Non-Invasive Ventilation. The role of Pulmonary Function Tests in NIV Monitoring. In: Esquinas A, Editor, *Principles and Practices of Non-Invasive Mechanical Ventilation Monitoring: from Intensive Care to Home Care*; 2021, Chap 31, pp 289-304; Nova Science Publishers, Inc. USA.
3. Mohanchandra Mandal, Suman Chattopadhyay. Complications during Nasal High Flow Oxygen Neonatology-Pediatrics. In: Esquinas A, Editor, *Non-Invasive Mechanical Ventilation Complications: Essentials for Treatment and Prevention*, 2021, Chap 32, pp 289-299; Nova Science Publishers, Inc. USA.
4. Dipasri Bhattacharya, Mohanchandra Mandal. Assessment of Pain/Distress during Non-Invasive Ventilation in Pediatric and Respiratory Care. In: Esquinas A, Alahmari M (Editors), *Respiratory Care in Non Invasive Mechanical Ventilatory Support: Principles and Practice*; 2021, Chap 53, pp.489-498.
5. Dipanjan Bagchi, Mohanchandra Mandal, Pradipta Bhakta. Counseling of Parents, Ethical Aspects, Consent, or Ascent for Children for Preparing the Family Members for Shifting Care from Ward to Home: Educational and Training Aspects for Respiratory Therapist. In: Esquinas A, Alahmari M. (Editors), *Respiratory Care in Non Invasive Mechanical Ventilatory Support: Principles and Practice*; 2021, Chap 55, pp.507-520. Nova Science Publishers, Inc. USA.

Examiner in University Examinations

- Acted as External Examiner for the DNB (Anaesthesiology-Practical) 2020 under NBE, on March 4, 2021 at R. G. Kar Medical College, Kolkata
- Acted as External Examiner for the MD Examination (Oral & Practical) 2021 on 4th August 2021 at Calcutta National Medical College, Kolkata
- Acted as External Examiner for the MD Examination (Oral & Practical) 2021 on 6th August 2021 at ESI-PGIMSIR, Maniktala, Kolkata.

Conferences

- Chaired a session as faculty at 42nd Annual State Conference of Anaesthesiologists, West Bengal 2021 held at IPGMER, Kolkata on 2nd and 3rd October 2021

Dr. Sandip Sinha, Professor

- Faculty and trainer of USG guided upper extremity nerve blocks workshop at 42nd Annual State Conference (Anesthesiology) on 10/10/2021.
- Trainer at USG guided nerve blocks at the Department of Anesthesiology, IPGMER on 8/9/2021 & 9/9/2021.

Dr Chiranjib Bhattacharyya, Associate Professor

Publications

1. I-gel and LMA Classic in the hands of novice: A comparative study. Asian Journal of Medical Sciences 2021;12(9)
2. Conventional blind versus SORT manoeuvre of nasogastric tube insertion in anaesthetised patients: A randomised controlled study. Journal of Clinical and Diagnostic Research 2021;15(10).

Speaker

1. 'Identification of Epidural Space': Annual conference 2021 of Indian Society of Anaesthesiology, West Bengal branch
2. Panelist at 'Paediatric Oncoanaesthesia: challenges' at National Conference 2021 of Society of Oncoanaesthesia and Perioperative Care

DR. Sujata Ghosh, Associate Professor

1. Appreciation certificate, Govt of West Bengal for Renal Transplant in N.R.S. Medical College.
2. Course Co-ordinator, PDCC Pain Management
3. Member, Medical Education Unit, IPGME&R
4. Facilitator, Revised Basic Course Workshop
5. NBE Centre Appraiser
6. Reviewer- Indian Journal of Child Health

7. PG Boot Camp 2021 under Indian Society of Anaesthesiologists West Bengal Branch, - Organising Secretary
8. ISA CME in teleconference – Organising Secretary
9. ISA CME with CMRI –virtual CME- Organising Secretary
10. ISACON West Bengal 2021 (Hybrid conference) in IPGME&R - Organising Secretary

11. Workshops in ISACON West Bengal 2021 - Organising Secretary
 - Airway | Ultrasound in Anaesthesia | Hemodynamic monitoring
12. Radiofrequency ablation Workshop in IPGMER- Organiser & Faculty

13. FACULTY
 - ISACON 2020-2021 Annual National Conference of Indian Society of Anaesthesiology
 - PG Boot Camp 2021
 - ISACON West Bengal 2021
 - National Airway Conference 2021-12-20
 - Isacon East Zone Conference 2021
 - ISACON Orissa 2021
 - ISA East Zone PG Assembly
 - Isacon Rajasthan 2021

Dr Maitreyee Mukherjee, Associate Professor

Publications

- A prospective study of predictors for post laparotomy abdominal wound dehiscence In Global Journal For Research Analysis Sajib Chatterjee Basanta Banerjee, Asis Kumar Saha, Maitreyee Mukherjee, Saugata Samanta
- Comparative study on skin staples and conventional skin closure for abdominal skin closure ; International Journal of Medical Science and Current Research Dr. Sajib Chatterjee, Dr Mahesh Kale, Dr Prasenjit Dasgupta, Dr Maitreyee Mukherjee, Prof Saugata Samanta

Scientific secretary

In WB ISACON 2021

Invited speaker

WB ISACON 2021 CME and as well as participated as faculty in airway workshop

Organised

Departmental hands-on training of USG guided procedure

Course coordinator

DOTT (Diploma in OT technology) at IPGMER

Examiner

- DA examiner conducted at CNMC
- DOTT Examiner at IPGMER(Preliminary & Final)

Passed

BCBR Exam conducted by NPETL

Dr Baisakhi Laha, Associate Professor

- Completed the NMC mandated Basic Course in Biomedical Research in Sept 2021
- Faculty and examiner for DOTT course
- **Publication:** Hembrom Bani Parvati Magda, John Christian S, Laha Baisakhi, Ray Manjushree, Ketamine infusion for management of early postoperative pain following elective laparoscopic cholecystectomy: Assessment of optimum dose, International J of Scientific Research 2021; 10: 27-30.

Dr. Soma Chakraborty, Associate Professor

- Completed the NMC mandated Basic Course in Biomedical Research Cycle 2 .
- Acted as inspector to Bishnupur Institute of Medical science as for evaluation of infrastructure to start DCCT, DOTT courses sent by the State Medical faculties of West Bengal in September 2021.

Dr. Sangita Mandal, Assistant Professor

- Completed the NMC mandated Basic Course in Biomedical Research Cycle 4
- Attended 42nd Annual State Conferences held at IPGME&R, Kolkata on 2nd and 3rd October 2021. Attended virtual CME on Pediatric Anaesthesia under the aegis IAPA Bengal held on December 2021.

Dr Anjan Chattopadhyay

- Completed the NMC mandated Basic Course in Biomedical Research Cycle 3 with a consolidated score of 85%.
- Publication: A study on the efficacy and adverse effects of injection remdesivir in moderate to severe SARS-CoV-2 Pneumonia In A Tertiary Care Hospital in Kolkata, IJSR,vol 10, issue 05, May 2021. As corresponding author.

Publications from the department

- 1) Mandal M, Bhattacharya D, Esquinas AM. Diaphragm and Lung Ultrasound Indices in Prediction of Outcome of Weaning from Mechanical Ventilation in Pediatric Intensive Care Unit: Correspondence. Indian J Pediatr. 2021;88(6):627.
- 2) Bhakta P, Reazaul Karim HM, Mandal M, O'Brien B, Esquinas AM. Barotrauma in covid - Causes and consequences. Ann Med Surg (Lond). 2021 Apr;64:102189. doi: 10.1016/j.amsu.2021.102189. Epub 2021 Mar 4.
- 3) Pradipta Bhakta, Habib Md Reazaul Karim, Mohanchandra Mandal, Brian O'Brien. Anaesthetising the septic patient: Comparing drug combinations. Anaesthesia Critical Care & Pain Medicine,2021;40(3):100864 <https://doi.org/10.1016/j.accpm.2021.100864>.
- 4) Bhattacharjee I, Sarkar S, Bhattacharyya C, Das D, Mandal M. I-Gel and LMA classic in the hands of novice: A comparative study. Asian J Med Sci [Internet]. 2021;12(9):103-10.
- 5) Dhakal SD, Sarkar S, Bhattacharyya C, Mandal M. Conventional Blind Method Versus SORT Manoeuvre of Nasogastric Tube Insertion in Anaesthetised Patients: A Randomised Clinical Study. Journal of Clinical and Diagnostic Research. 2021 Oct 1;15(10):UC19-UC23.
- 6) Mohanchandra Mandal, Pradipta Bhakta, Brian O'Brien. Recommendations for patient-ventilator non-invasive ventilation monitoring: impact on hospital admissions, prevention of readmissions and clinical outcomes. In: Esquinas A, Editor, Principles and Practices of Non-Invasive Mechanical Ventilation Monitoring: from Intensive Care to Home Care;2021, Chap 50, pp.481-492; Nova Science Publishers, Inc. USA.
- 7) Brian O'Brien, Mohanchandra Mandal, Pradipta Bhakta. Pulmonary function testing as an Assessment and Guide for Chronic Non-Invasive Ventilation. The role of Pulmonary Function Tests in NIV Monitoring. In: Esquinas A, Editor, Principles and Practices of Non-Invasive Mechanical Ventilation Monitoring: from Intensive Care to Home Care; 2021, Chap 31, pp 289-304; Nova Science Publishers, Inc. USA.

- 8) Mohanchandra Mandal, Suman Chattopadhyay. Complications during Nasal High Flow Oxygen Neonatology-Pediatrics. In: Esquinas A, Editor, Non-Invasive Mechanical Ventilation Complications: Essentials for Treatment and Prevention, 2021, Chap 32, pp 289-299; Nova Science Publishers, Inc. USA.
- 9) Dipasri Bhattacharya, Mohanchandra Mandal. Assessment of Pain/Distress during Non-Invasive Ventilation in Pediatric and Respiratory Care. In: Esquinas A, Alahmari M (Editors), Respiratory Care in Non Invasive Mechanical Ventilatory Support: Principles and Practice; 2021, Chap 53, pp.489-498.
- 10) Dipanjan Bagchi, Mohanchandra Mandal, Pradipta Bhakta. Counseling of Parents, Ethical Aspects, Consent, or Ascent for Children for Preparing the Family Members for Shifting Care from Ward to Home: Educational and Training Aspects for Respiratory Therapist. In: Esquinas A, Alahmari M. (Editors), Respiratory Care in Non Invasive Mechanical Ventilatory Support: Principles and Practice; 2021, Chap 55, pp.507-520. Nova Science Publishers, Inc. USA.
- 11) A prospective study of predictors for post laparotomy abdominal wound dehiscence In Global Journal For Research Analysis Sajib Chatterjee Basanta Banerjee, Asis Kumar Saha ,Maitreyee Mukherjee, Saugata Samanta
- 12) Comparative study on skin staples and conventional skin closure for abdominal skin closure ; International Journal of Medical Science and Current Research Dr. Sajib Chatterjee , Dr Mahesh Kale , Dr Prasenjit Dasgupta, Dr Maitreyee Mukherjee, Prof Saugata Samanta
- 13) Hembrom Bani Parvati Magda, John Christian S, Laha Baisakhi, Ray Manjushree, Ketamine infusion for management of early postoperative pain following elective laparoscopic cholecystectomy: Assessment of optimum dose , International J of Scientific Research 2021; 10: 27-30.
- 14) D Ghosh, A Chattopadhyay,S Sarkar, S Banik A Study on The Efficacy And Adverse Effects Of Injection Remdesivir In Moderate TO Severe SARS COV-2 Pneumonia In A Tertiary Care Hospital in Kolkata, IJSR,vol 10, issue 05, May 2021.

SERVICE INFORMATION

A. OPD (Anesthesiology)

Number of patients attending OPD for Pre-anesthetic check-up:28,295

B. Number of operations done under anesthesia in the various operation theatres:

SN	Unit	No. of cases
1	Reduction OT	138
2	ENT OT	2032
3	New Plastic Surgery OT	1153
4	Burns OT	33
5	Eye OT	58
6	Ligation OT	822
7	Main OT (General Surgery)	5712
8	Main OT (Plastic Surgery)	482
9	Gynecology OT (Elective + Emergency)	Major -5835, minor-753
10	Emergency OT (Trauma)	7403
11	Urology OT (including Renal Transplant)	1642
12	Woodburn OT (Orthopedic OT)	1179
13	Neonatal Surgery OT	Major-139, minor-24
14	Pediatric Surgery OT	1423
15	MRI Suite	507
16	Trauma Cold OT (Neuro+ Plastic)	1095
17	Advanced laparoscopic surgery	65

C. ITU:

- Patients admitted + Transfer in: 492
- Discharge + Transfer out: 384+ 16
- Mortality Statistics: 93 (18.9%)
- Number of patients discharged against medical advice: 0

SPECIAL CONTRIBUTION TO FIGHT AGAINST COVID 19.

1. Regular morning round by the visiting faculties in SNPH Covid CCU.
2. Emergency round the clock duty by our PGTs in Covid CCU.
3. Emergency round the clock duty in the ECMO unit by our PGTS supervised by our faculties.
4. Provide anaesthesia in emergency Covid 19 positive patients

5. Providing anaesthesia in mucormycosis cases.
 6. Follow up care in ITU of mucormycosis cases.
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