

Curriculum Vitae

Name: Dr Praveen Kumar Neema

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<praveenneema@gmail.com>

Date of Birth and Age: 05.12.1955; 65 year

Professional standing in Anaesthesiology: More than 37 years; since 1983

EDUCATION:

1. **FFARCSI (Part I)** Examination-1995 (Royal College of Surgeons in Ireland) No: 000036; Ref No: 000271; Dated 21.11.1995. Qualification accepted for limited registration with exemption from PLAB; (GMC Ref No: 188497; Dated 22.05.1996)
2. **Post-doctoral certificate (PDCC)** - Cardio-thoracic-Vascular and Neuro-anaesthesia (Sree Chitra Tirunal Institute for Medical Sciences & Technology, Trivandrum, 1985)
3. **MD Anaesthesiology, (Jiwaji University Gwalior, 1983, Dated 28th March 1984)**
4. **MB; BS** (Jiwaji University, Gwalior) (Medical Council Government Bhopal Reg No 3364; Dated 18.11.1980)

PRESENT POSITION:

JAN 2021 TO CONTINUING

Mentor for Paediatric Cardiac Anaesthesia Education and Development, Sr Sathya Sai Sanjeevani Group of Hospitals, Raipur

IMMEDIATE PAST POSITION:

APRIL 2013 TO 31ST DEC 2020

Prof & Head, Department of Anaesthesiology, AIIMS, Raipur (CG), India

ACADEMIC APPOINTMENTS:

Sept 2006-April 2013

Additional Professor Anaesthesiology, SCTIMST, Trivandrum, India

Dec 2001 to Aug 2006	Associate Professor Anaesthesiology, SCTIMST, Trivandrum, India
June 1998 to Dec 2001	Assistant Professor Anaesthesiology, SCTIMST, Trivandrum, India
April 1997 to Dec 1997	Assistant Professor Anaesthesiology, University Medical Centre, KMC Mangalore, India
June 1991 to Dec 1994	Assistant Professor Anaesthesiology, SCTIMST, Trivandrum, India

HOSPITAL APPOINTMENTS:

Specialist Anaesthesiologist, Referral Hospital, Gizan, Saudi Arabia (Dec 1994 to Dec 1996)

Consultant Anaesthetist and Medical Superintendent, Shree Mahavir General Hospital, Surat, India (April 1985 to May 1991)

Consultant Anaesthetist, Ripon, Hospital, Shimla, India (Jan 1983 to Dec 1984)

ADMINISTRATIVE RESPONSIBILITIES

- Education and development of Paediatric cardiac Anaesthesia across all the Sanjeevani Group of Hospitals

ADMINISTRATIVE RESPONSIBILITIES (PAST):

- Medical Superintendent AIIMS Raipur (26th May 2016 to 2nd July 2017)
- Running of Hospital wing of AIIMS Raipur
- Running the department and various academic activities of the department
- In-charge Operation theatres at AIIMS Raipur
- Member Institute Ethical Committee
- Member Project cell
- Member technical experts committee (Assessment committee)
- Member hospital transfusion committee
- Chairman hospital infection control committee
- Chairman biomedical waste management committee
- Member senior resident selection committee
- Member junior resident selection committee

ADMINISTRATIVE EXPERIENCE

- Commissioned 10 MOTs of A-Block 4th floor hospital building of AIIMS Raipur
- Commissioned 120 beds in 3rd floor of A-A1 block of hospital of AIIMS Raipur
- Commissioned 120 beds in 2nd floor of A-A1 block of hospital of AIIMS Raipur
- Administrative experience of running hospital wing of AIIMS Raipur
- Managed 120 bedded Mahavir General Hospital, Surat for 2 years as Medical superintendent
- Drafted rate contract tender for procuring anesthesia drugs and consumables
- Drafted tender for commissioning of modular operation theatres for AIIMS Raipur
- Drafted tender for procurement of operation theatre lights for AIIMS Raipur
- Drafted tender for procurement of operation theatre tables for AIIMS Raipur
- Drafted tender for procurement of Anaesthesia work stations for AIIMS Raipur
- Drafted tender for procurement of ventilators for AIIMS Raipur
- Drafted tender for procurement of medical gas cylinders for AIIMS Raipur
- Drafted tender for rate contract for the filling of medical gases
- Drafted tender for rate contract for liquid medical oxygen
- Technical evaluation of all the above-mentioned tenders
- Participated in pre-bid and financial bid of the above-mentioned tenders

ADMINISTRATIVE ACHIEVEMENTS:

1. Commissioned Critical Care Unit of anaesthesia department in AIIMS Raipur
2. Commissioned A-A1 block (240 beds) of the hospital of AIIMS Raipur
3. Described electrical load requirement of each block and floor of AIIMS Raipur
4. Organized Commissioning of Modular operation theatres at AIIMS Raipur
5. Organized Commissioning of Medical Gas Pipeline System at AIIMS Raipur
6. Commissioned HDU in AIIMS Raipur
7. Procured operation theater tables for AIIMS Raipur
8. Procured OT lights for AIIMS Raipur
9. Procured Anaesthesia work stations for AIIMS Raipur

10. Expert to life care division of HLL for defining specifications for various equipment including multipara patient monitors, ICU ventilators, transport ventilator, medical gas pipeline system, integrated modular operation theater, etc.

PRESENT ACADEMIC RESPONSIBILITIES:

- Running MD Anaesthesiology program
- Running of departmental academics
- Running PDCC program in Neurosurgical anaesthesia, Cardiothoracic and Vascular anaesthesia, Pain and Palliative Care and Critical Care
- Running of “OT- technologist” training program

PAST ACADEMIC POSITIONS

- Member Institute Ethical Committee
- Chairman undergraduate clinical teaching program
- Chairman, BLS program at AIIMS Raipur
- Chairman Research Cell (2016-2017)

PROFESSIONAL ACHIEVEMENTS, AWARDS AND FELLOWSHIPS

1. Started MD Anaesthesiology at AIIMS Raipur
2. Started PDCC Neurosurgical anaesthesia, Cardiothoracic and vascular anaesthesia, Pain and Palliative Care and Critical Care at AIIMS Raipur
3. Started OT technician course at AIIMS Raipur
4. Started ‘Anaesthesiology clinics of AIIMS Raipur’ on 9th Sept 2018
5. Nodal officer for installation and commissioning of 24 modular operation theaters at AIIMS Raipur
6. Nodal officer for commissioning of MGPS at AIIMS Raipur
7. Nodal officer of the Kaya-kalp award winning team 2016-17 of AIIMS Raipur
8. Editor-in-Chief open journal of Anesthesiology
9. Chief Editor “Annals of Cardiac Anaesthesia” February 2012 - August 2014
10. Honorary fellowship in cardiac anaesthesia awarded by IACTA, 2011
11. Honorary fellowship in transesophageal echocardiography awarded by IACTA, 2010

- 12. Editorial board member “Journal of Cardiothoracic and Vascular Anesthesia”**
- 13. Past President Indian Society of Anaesthesiologist Trivandrum City Branch**
- 14. Ex-Member Executive Council “Indian Association of Cardiothoracic and Vascular Anaesthesiologists”**
- 15. ICONS of Health 2016, Chhattisgarh**
- 16. Organizing Chairperson ISACONCG 2017, Raipur**
- 17. President ISA Chhattisgarh state 2017-2018**
- 18. Associate Vice-President Indian Association of Cardiothoracic and Vascular Anaesthesiologists (IACTA) (Feb 2018 - Feb 2019)**
- 19. Senior Vice-President IACTA (Feb 2019 – Feb 2020)**
- 20. President IACTA (Feb 2020 – present)**

EXAMINER:

1. National Board of Examinations, DNB General Anaesthesia, Apollo Hospital, Bilaspur, Chhattisgarh, March 2021
2. Faculty Objective Structured Clinical Examination (OSCE) work-shop, National Board of Examinations, New Delhi Feb 2021
3. Thesis evaluation for DNB Cardiac anaesthesia, National Board of Examinations, New Delhi Jan 2021
4. Dissertation evaluation for MD Anesthesiology, Himalayan Institute of Medical Sciences, Dehradun, Uttarakhand, Hemvatinandan Bahuguna University, Uttarakhand, April 2020
5. Dissertation evaluation for MD Anaesthesia, GGS Indraprastha University, New Delhi, April 2020
6. National Board of Examinations, DNB General Anaesthesia, Apollo Hospital, Bilaspur, Chhattisgarh, July 2020
7. Online Mock viva for DM/DNB Cardiac anaesthesia Exit Examination – Tetralogy of Fallot, WBACTVA, Sept 2020
8. Chief Controller of Examination ‘MD Anaesthesiology’ Nizams’ Institute of Medical Sciences (NIMS) Hyderabad, April 2019

9. FIACTA examination Aug 2019 conducted by Indian College of Cardiac Anaesthesia (Indian association of Cardiovascular thoracic Anaesthesiologists) at Jayadeva Institute of Cardia sciences Bangalore 2019
10. Dissertation evaluation for DM Cardiac Anaesthesia PGI Chandigarh, 2019
11. PDCC Cardiac Anaesthesia, Sanjay Gandhi Post-Graduate Institute for Medical Education and Research, Lucknow, Aug 2019
12. Dissertation evaluation for MD Anaesthesia (Dr Punith Gowda) PGI Chandigarh, 2019
13. Chief Controller of Examination 'MD Anaesthesiology' Nizams' Institute of Medical Sciences (NIMS) Hyderabad, April 2018
14. Dissertation "EFFECT OF HIGH SPINAL ANAESTHESIA ON POST OPERATIVE ARRHYTHMIAS IN PATIENTS UNDERGOING CORONARY ARTERY BYPASS SURGERY" evaluation for DM Cardiac Anaesthesia PGI Chandigarh, 2018
15. FNB Exit Examination, Cardiac Anaesthesia, Sir Gangaram Hospital New Delhi, Aug 2018
16. FIACTA examination Sept 2018 conducted by Indian College of Cardiac Anaesthesia (Indian association of Cardiovascular thoracic Anaesthesiologists) at Jayadeva Institute of Cardia sciences Bangalore 2018
17. MD Anaesthesiology Examination June 2017 at Tata Memorial Center, The Homi Bhabha National Institute, Mumbai
18. MD Anaesthesiology, Madhya Pradesh Medical Science University Jabalpur, July 2017
19. FNB Exit Examination, Cardiac Anaesthesia, Nizams' Institute of Medical Sciences (NIMS) Hyderabad, Aug 2017
20. National Board of Examinations, DNB General Anaesthesia, MGM Sewagram Wardha 2017
21. FIACTA examination Sept 2017 conducted by Indian College of Cardiac Anaesthesia (Indian association of Cardiovascular thoracic Anaesthesiologists) at Aster Medcity Kochin 2017
22. FNB Exit Examination, Cardiac Anaesthesia, Nizams' Institute of Medical Sciences (NIMS) Hyderabad, July 2016 National Board of Examinations

23. MD Anaesthesiology Examination July 2016 at Tata Memorial Center, The Homi Bhabha National Institute, Mumbai
24. FIACTA examination Aug 2016 conducted by Indian College of Cardiac Anaesthesia (Indian association of Cardiovascular thoracic Anaesthesiologists) at Medanta Gurgaon
25. MD Anaesthesiology Examination Dec 2016 at Tata Memorial Center, The Homi Bhabha National Institute, Mumbai
26. Dissertation evaluation for MD Anaesthesiology PGI Chandigarh, 2015
27. MD Anaesthesiology at Jiwaji University Gwalior, June 2015
28. MD Anaesthesiology at Vikram University Ujjain, June 2015
29. PDCC Cardiac Anaesthesia, Banaras Hindu University, June 2015
30. FNB Exit Examination, Cardiac Anaesthesia, SGPGI Lucknow, July 2015 National Board of Examinations
31. FNB Exit Examination, Cardiac Anaesthesia, SGPGI Lucknow, July 2014 National Board of Examinations
32. Dissertation evaluation for DM Cardiac Anaesthesia PGI Chandigarh, 2014
33. Dissertation evaluation for MD Anaesthesiology, Nezam's Institute of Medical Sciences, Hyderabad 2013
34. DNB Examination, General Anaesthesia, MAMC New Delhi, March 2012
35. DNB Examination, General Anaesthesia, RR Army Hospital New-Delhi, April 2012
36. FNB Exit Examination, Cardiac Anaesthesia, SGPGI Lucknow, May 2012 National Board of Examinations
37. DNB Examination, General Anaesthesia, MAMC New Delhi, September 2012
38. FNB Exit Examination May 2011 Fellowship Cardiac Anaesthesia, PGI Chandigarh National Board of Examinations
39. DNB Examination, General Anaesthesia, Army Base Hospital, New-Delhi, September 2011
40. FNB Exit Examination June 2010 Fellowship Cardiac Anaesthesia, SGPGI Lucknow National Board of Examination

41. Dissertation evaluation for MD Anesthesiology, Himalayan Institute of Medical Sciences, Dehradun, Uttarakhand, Hemvatinandan Bahuguna University, Uttarakhand
42. DM Neurosurgical Anaesthesia, 2010, SCTIMST, Trivandrum
43. FNB Exit Examination September 2009 Fellowship Cardiac Anaesthesia, SGPGI Lucknow National Board of Examinations

EXTERNAL EXPERT:

1. Subject expert for selecting faculty at Super Specialty Cancer Institute & Hospital, Lucknow, Feb 2020
2. Subject expert for selecting faculty at AIIMS Patna, New-Delhi, Feb 2020
3. Subject expert for selecting faculty at AIIMS Mangalagiri, Nov 2019
4. Member staff selection committee Assistant Prof Cardiothoracic and Vascular Surgery, Sept 2019
5. Member staff selection committee Assistant Prof Neurosurgery, Sept 2019
6. Member CGPSC and subject expert for selection of assistant professor anaesthesiology, Raipur (CG), March 2017
7. Subject expert for selection of assistant professor anaesthesiology for AIIMS Bhopal, Sept 2016
8. External member of the panel for the selection at Indian Institute of Management, Indore, Dec 2016

ASSESSOR/INSPECTOR FOR CENTER ACCREDITATION TO NATIONAL BOARD OF EXAMINATIONS:

- VY hospital Raipur (Center accreditation for anaesthesia), March 2021
- JLN Hospital and Research center, Bhillai (Accreditation for DNB Anaesthesia) September 2020
- Sher-I-Kashmir Institute of Medical Sciences (SKIMS), Srinagar, Kashmir (Center accreditation for DNB Cardiac Anaesthesia) July 2019
- SNR District Hospital Kollar, Karnataka (Center accreditation for DNB Anaesthesia) March 2020
- GKNM hospital Coimbatore, April 2012
- Seth Nandlal Dhoot Hospital, May Aurangabad 2012

ASSESSOR /INSPECTOR FOR CENTER ACCREDITATION TO FIACTA:

- Kokilaben Hospital Mumbai, May 2012

- Escorts heart research center New-Delhi, April 2011

CLINICAL RESPONSIBILITIES:

- Anesthetic management of patients for General surgery, ENT surgery, ObGy surgery, Cardiac surgery, Neurosurgery, Ophthalmology procedures, and Orthopaedic surgery.

CLINICAL RESPONSIBILITIES IN IMMEDIATE PAST POSITION AT SCTIMST TRIVANDRUM

- Cardio-Vascular, Thoracic, & Neurosurgery, including repair for simple and complex congenital heart diseases, coronary artery bypass grafting, valve replacements, thoraco-abdominal aortic aneurysms, cerebrovascular AVM's and aneurysms, cerebral space occupying lesions, pneumonectomy etc. Anesthesia for cardiovascular and neurological diagnostic and interventional procedures; this includes coil-embolization of aneurysms, arteriovenous malformations and PDAs' and device closure of ASDs'. In addition, my responsibilities include postoperative and Intensive care management of above patients. I provide anaesthetic coverage to nearly 400 patients every year.
- Anesthetic management of patients for Cardio-Vascular, Thoracic, & Neurosurgery, including repair for simple and complex congenital heart diseases, coronary artery bypass grafting, valve replacements, thoraco-abdominal aortic aneurysms, cerebrovascular AVM's and aneurysms, cerebral space occupying lesions, pneumonectomy etc. Anesthesia for cardiovascular and neurological diagnostic and interventional procedures; this includes coil-embolization of aneurysms, arteriovenous malformations and PDAs' and device closure of ASDs'. In addition, my responsibilities include postoperative and Intensive care management of above patients. I provide anaesthetic coverage to nearly 400 patients every year.

TEACHING RESPONSIBILITIES:

- Teaching and training of postdoctoral fellows at the institute (DM Cardiovascular - thoracic anaesthesia and DM Neuro-anaesthesia). I actively participate in departmental academic activities, viz., Case discussions, Seminars, Research projects and Journal discussions etc. I teach and train postdoctoral fellows in acquiring clinical and various

technical skills. I actively participate as a faculty in various state level and national level continuing medical education programs and conferences.

EDITORIAL BOARD MEMBER/REVIEWER:

1. Editorial Board Member "F1000 Research"
2. Editorial board Member "Journal of Cardiothoracic and Vascular Anesthesia"
3. Editorial Board Member "Journal of Anaesthesiology and Clinical Pharmacology"
4. Editorial Board Member "SAARC Journal of Anaesthesia"
5. Editorial Board Member "OJAnesthesia"
6. Past-Editorial Board Member "Indian Journal of Anaesthesia"
7. Past-Editorial Board Member "Current Medical Trends"
8. Reviewer "Journal of Cardiothoracic and Vascular Anesthesia"
9. Reviewer "Journal of Anaesthesiology and Clinical Pharmacology"
10. Reviewer "Journal of Clinical Monitoring and Computing"
11. Reviewer "European Journal of Anaesthesiology"
12. Reviewer "European Journal of Cardiothoracic Surgery"
13. Reviewer "Echocardiography"
14. Reviewer "Journal of Clinical Anesthesia"
15. Reviewer "Indian Journal of Medical Research"
16. Reviewer "Indian Journal of Anaesthesiology"

PROFESSIONAL EXPERT:

- Regional Cancer Center, Trivandrum 2010
- Judge free paper session SZISA Mangalore 2005
- Judge Kops award session neuro-anaesthesia, 59th ISACON, Mumbai, 2011
- Judge Janak Mehta Award session IACTA Kochy 2013
- Judge Janak Mehta Award session IACTA Mumbai 2014
- Judge Janak Mehta Award session IACTA Goa 2020

PUBLICATIONS:

1. Phulli R, Arora P, **Neema PK**: Utility and Futility of Central Venous Catheterization. **Ann card Anaesth. (Accepted for Publication)**
2. Arora P, **Neema PK**: In response to “left atrial thrombus in a case of severe aortic stenosis with severe left ventricular dysfunction: An incidental finding on transesophageal echocardiography”. **Ann card Anaesth. 2021; 24 (1),**
3. Panda CK, Karim HMR, **Neema PK**: Bronchoscopy examination of a patient with tracheobronchial injury having intractable cough: Role of sevoflurane sedation and paroxygenation. **Ann card Anaesth. 2021; 24 (1),**
4. Waikar HD, Jayakrishnan AG, Bandusena BSN, Priyadarshan P, Kamalaneson PP, Abhayalleperuma, **Neema Praveen Kumar**, Dhawan R, Chaney MA: Left Atrial Myxoma Presenting as Cerebral Infarct. **J Cardiothorac Vasc Anesth 2020**
5. Deepak K. Tempe, **Praveen K. Neema**: The Challenges of Implementing the Clinical Data Standards. **J Cardiothorac Vasc Anesth 2020;34(11):2881-2883**
6. Dey S, Mistry T, Mittapalli J, **Neema PK**: Landmark guided continuous erector spinae plane block: An adjunct for perioperative analgesia in a patient with difficult back operated for total hip arthroplasty. **Saudi J Anaesth. 2020 Apr-Jun;14(2):276-277.**
7. Habib Md Reazul Karim, **Neema PK**, Javaid I: Perioperative challenges in a primary hyperparathyroid patient with osteitis fibrosa cystic and borderline QTc: a case based review and practice analysis. **Progress in Health Sciences 2019**
8. **Praveen Kumar Neema**: In Response to “Use of autologous umbilical cord blood transfusion in neonates undergoing surgical correction of congenital cardiac defects: A pilot study” **Ann card Anaesth. 2018; 21 (3), 275**
9. **Praveen Kumar Neema**: Dishonesty in medical research and publication. **Ann Card Anaesth. 2018 April-June;18(4):111**
10. Ajay Kumar, **Neema Praveen Kumar**: Pulmonary hypertension and right ventricular dysfunction. *Indian Journal of Anaesth* 2017;
11. **Neema PK**, Kapoor MC: Anesthetic management of a patient with mitral stenosis undergoing mitral valve repair/replacement. **MAMC Journal of Medical Sciences 2016; 2:94-98**
12. **Neema PK**: Mechanisms and pathophysiology of mitral regurgitation. **MAMC Journal of Medical Sciences 2015; 1:142-46**
13. Praveen Kerala Varma, Suneel P Raman, **Praveen Kumar Neema**, Prem S Shekhar: Hypertrophic Cardiomyopathy. **Indian Journal of Thoracic and Cardiovascular Surgery 01/2015 DOI: 10.1007/s12055-015-0364-7**
14. **Neema PK**: Pathophysiology of Mitral Valve stenosis. **MAMC Journal of Medical Sciences 2015;1: 23-26**
15. Tewari P, Raju S, **Neema PK**: Toe thumb: A musculoskeletal disorder related to transesophageal echocardiography. **Ann Card Anaesth. 2014 Oct-Dec;17(4):299-301**

16. **Neema PK:** My journey as chief editor and future vision. **Ann Card Anaesth. 2014 Jul-Sept;17(3):179-81**
17. **Neema PK:** Book review: problem based Transesophageal Echocardiography. **Ann Card Anaesth. 2014 Jul-Sept;17(3):260-1**
18. Varma PK, Suneel PR, **Neema PK:** Hypertrophic cardiomyopathy part II - Anesthetic and surgical considerations. **Ann Card Anaesth. 2014 Jul-Sept;17(3):211-221**
19. **Neema PK.** Postoperative vision loss during off-pump coronary artery bypass grafting. **Ann Card Anaesth. 2014 Apr-Jun;17(2):89-91**
20. Varma PK, **Neema PK.** Hypertrophic cardiomyopathy: Part 1 - Introduction, pathology and pathophysiology. **Ann Card Anaesth. 2014 Apr-Jun;17(2):118-24**
21. **Neema PK.** Cardiopulmonary bypass during pregnancy-Fetal demise: An enigma. **Ann Card Anaesth 2014; 17:1-3**
22. Praveen Reddy Bayya, Varma PK, Suneel PR, **Neema PK.** Emergency mitral valve replacement for acute severe mitral regurgitation following balloon mitral valvotomy: Pathophysiology of hemodynamic collapse and peri-operative management issues **Ann Card Anaesth 2014;17:52-57**
23. **Neema PK.** Heart failure: advances and issues. **Ann Card Anaesth 2013; 16:235-7**
24. **Neema PK:** The value of database and data interpretation. **Annals Card Anaesth 16:3-161-63;2013**
25. **Neema PK:** Aortic dissection: Pitfalls in the diagnosis. **Annals Card Anaesth 16:2-83-85;2013**
26. **Neema PK:** The saddle shape of the mitral valve: more than just a shape. **Annals Card Anaesth 16(1):1-3;2013**
27. Manikandan S, **Neema PK:** Color M-mode echocardiography: A new method for the detection of Patent Foramen Ovale. **J Cardiothorac Vasc Anesth 2012 Dec;26(6): e67-8.**
28. **Neema PK,** Rathod RC: ALCAPA and Heart rate. **J Cardiothorac Vasc Anesth 2012 Dec;26(6): e70-1**
29. **Neema PK:** Eisenmenger syndrome: An unsolved malady. **Annals Card Anaesth 15:257-58;2012**
30. **Neema PK:** Dexmedetomidine in pediatric cardiac anesthesia. **Annals Card Anaesth 15:177-79;2012**
31. **Neema PK,** Rathod RC: Reanalysis of the data of the paper "Impaired lung function after intubation and mechanical ventilation for surgical ligation of the ductus arteriosus in preterm infants" by Dzukou et al. **J Cardiothorac Vasc Anesth 26: e39-40; 2012**
32. **Neema PK,** Singha Subrata Kumar, Manikandan S, Rathod RC: Transesophageal Echocardiography and intraoperative phlebotomy during surgical repair of coarctation of aorta in a patient with atrial septal defect, moderately severe mitral regurgitation and severe pulmonary hypertension. **J Clin Monit Comput 26: 217-221;2012**

33. **Neema PK, Rathod RC:** Pulmonary artery hypertension in mitral stenosis: The role of right ventricular stroke volume, pulmonary venous compliance and atrio-ventricular compliance. **J Anaesth Clini Pharm 25:111-112;2012**
34. **Neema PK:** Journey forward. **Annals Card Anaesth 15:103-104;2012**
35. **Neema PK, Baiju S Dharan, Manikandan S, Divya A, Singha Subrata Kumar, Rathod RC:** Anesthetic implications of Aneurysmal main pulmonary artery (MPA) and left pulmonary artery (LPA) and right pulmonary artery (RPA) stenosis in a child undergoing MPA and RPA plasty and atrial septal defect closure. **J Cardiothorac Vasc Anesth 26:280-82;2012**
36. **Neema PK, Manikandan S, Singha Subrata Kumar, Rathod RC:** Decompression of Superior Vena Cava during Bidirectional Glenn Shunt: A Simple but Risky Technique. **Annals Card Anaesth 15:63-65;2012**
37. **Neema PK, Singha Subrata Kumar, Manikandan S, Rathod RC:** Aortic valve replacement in a patient of aortic stenosis, dilated cardiomyopathy, and renal dysfunction. **J Cardiothorac Vasc Anesth 25:1193-9;2011**
38. Georgene S, Manikandan S, **Neema PK:** Endotracheal tube fixation in Neurosurgical procedures operated in prone position. **J Anaesth Clini Pharm 27:574-75;2011**
39. **Neema PK, Manikandan S, Divya Amol Chandran, Ramesh Chandra Rathod, Mitnacht Alexander J.C., Love Barry A., Daves Suanne M., Catherine Bachman:** Acute Respiratory Distress Syndrome in an Infant after repair of tetralogy of Fallot. **J Cardiothorac Vasc Anesth 25:867-73;2011**
40. **Neema PK, Baiju S Dharan, Singha Subrata Kumar, Manikandan S, Rathod RC:** Entropy score, patent ductus arteriosus (PDA), and cardiopulmonary bypass: ligation of PDA on CPB can compromise cerebral blood flow. **Annals Card Anaesth 14:203-205;2011**
41. **Neema PK:** Medical research: Is everything all right? **J Anaesth Clini Pharm 27:159-61;2011**
42. **Neema PK, Shah H, Manikandan S, Rathod RC:** Pericardial tamponade after left posterolateral thoracotomy for upper lobectomy for pulmonary aspergilloma. **Annals Card Anaesth 14:111-4;2011**
43. **Neema PK, Satyajeet Mishra, Manikandan S, Rathod RC:** 2D Transesophageal Echocardiography and M-mode Doppler of the Inter Atrial Septum for assessment of the Left Ventricular Diastolic Function. **J Cardiothorac Vasc Anesth. 25(3):588-9;2011**
44. **Neema PK, Manikandan S, Muralikrishna T, Rathod RC:** Acute hemodynamic instability in an infant after pulsatile Bidirectional Cavo-pulmonary (Glenn shunt) anastomosis – Mechanisms and its resolution. **J Cardiothorac Vasc Anesth. 25(3):573-4;2011**
45. Brijesh P, Kottayil, Baiju S Dharan, Sabarinath Menon, Sasidharan Bijulal, **Praveen Kumar Neema, Shyamkrishnan K Gopalakrishnan, Karunakaran Jayakumar:** Anomalous pulmonary venous connection to Superior Vena Cava: Warden technique. **Eur J Cardiothorac Surg 39: 388-91;2011**

46. **Neema PK**, Manikandan S, Bodhey N, Gupta A: Perioperative implications of retrograde flow in both the subclavian arteries in an adult undergoing surgical repair of coarctation of aorta. **Interactive Cardio Vascular Thoracic Surgery 12:316-8; 2011**
47. Manikandan S, **Neema PK**, Rathod RC: Ultrasound-guided bilateral superior laryngeal nerve block to aid in awake endotracheal intubation in a patient with cervical spine disease for emergency surgery. **Anaesth Intensive Care. 38:946-8;2010**
48. Manikandan S, **Neema PK**, Rathod RC: Utility of Intraoperative Three-Dimensional Transesophageal Echocardiography in a Patient with Embolized Atrial Septal Defect Closure Device for Emergency Cardiac Surgery. **J Cardiothorac Vasc Anesth 24:730-1; 2010**
49. **Neema PK**, Singha Subrat, Manikandan S, Rathod RC: Dynamic Right Ventricular Outflow Tract (RVOT) Obstruction after Intracardiac Repair of Valvular and Infundibular Pulmonary Stenosis and Ventricular Septal Defect Closure in an Adult Patient: Role of Dobutamine. **Annals Card Anaesth 13:180-2;2010**
50. **Neema PK**, Singha Subrat, Manikandan S: A rounded image inside the left ventricle: the mechanism of artifact formation. **J Cardiothorac Vasc Anesth 24:384-5;2010**
51. **Neema PK**, Arun Vijayakumar, Manikandan S, Rathod RC: **Authors response** - Phlebotomy for the purpose of optimizing myocardial stress in coronary artery disease – a questionable modality. **Annals Card Anaesth 13:64-5; 2010**
52. **Neema PK**: Cardiopulmonary bypass – Are the paediatric patients safer now? **Annals Card Anaesth 13: 3-6; 2010**
53. Singha Subrata Kumar, Chatterjee Nilay, **Neema PK**: Herniation of Brain: A Less Recognized Complication in a Patient With Midline Posterior Fossa Tumor Postendoscopic Third Ventriculostomy. **Journal of Neurosurgical Anesthesiology 21(4):354-5; 2009**
54. **Neema PK**, Arun Vijayakumar, Manikandan S, Rathod RC: Infrarenal Abdominal Aortic Aneurysm Repair in Presence of Coronary Artery Disease: Optimization of Myocardial Stress by Controlled Phlebotomy. **Annals Card Anaesth 2009; 12:33-5**
55. **Neema PK**, Manikandan S, Rathod RC: A sudden increase in Bispectral index (BIS) score in a patient undergoing carotid endarterectomy after shunt insertion. **J Cardiothorac Vasc Anesth 23:129-31; 2009**
56. Gadhinglajkar S, Unnikrishnan KP, Rupa Sreedhar, Kapoor MC, **Neema PK**: Surgical retrieval of embolised atrial septal occluder device from pulmonary artery: Pathophysiology and role of the intraoperative transoesophageal echocardiography. **Annals Card Anaesth 12:40-8; 2009**
57. **Neema PK**, Manikandan S, S krishnmanohar, Rathod RC: Superior Vena Cava Syndrome after Pulsatile Bidirectional Glenn Shunt Procedure: Perioperative Implications. **Annals Card Anaesth 12:53-6; 2009**

58. **Neema PK**, Aveek Jayant, Manikandan S, Rathod RC: Mainstream Time-Capnography: An aid to select an appropriate uncuffed endotracheal tube in small children. **J Clin Monit Comput 22:445-7; 2008**
59. Manikandan S, **Neema PK**, RC Rathod: Difficulty in visualizing endotracheal tube tip in X-ray in a child who underwent cardiac surgery. **Pediatric Anaesth 18:1214-5; 2008**
60. Manikandan S, **Neema PK**, Rathod RC: Anesthesia care for muscle biopsy in children with myopathies. **Paediatr Anaesth 19:54-72; 2008**
61. **Neema PK**, Manikandan S, Satyajeet Mishra, Rathod RC: Resolution of Airway Compression Induced By TEE Probe Insertion in a Pediatric Patient Following Repair of an Atrial Septal Defect and Partial Anomalous Pulmonary Venous Connection: Possible Mechanisms. **J Cardiothorac Vasc Anesth 22: 887-9; 2008**
62. Manikandan S, **Neema PK**, Rathod RC: Origin of the right subclavian artery distal to a coarctation of the aorta: anesthetic implications. **J Cardiothorac Vasc Anesth 22: 948-9; 2008**
63. **Neema PK**, Manikandan S, Arun Vijayakumar, Rathod RC: Sinus venosus atrial septal defect closure in an achondroplastic dwarf: Anaesthetic and Cardiopulmonary bypass management Issues. **Paediatr Anaesth 18:998-9; 2008**
64. **Neema PK**, Manikandan S, Rathod RC: Extremely Narrow Airway in a Child Undergoing Intracardiac Repair of Tetralogy Of Fallot: Perioperative Implications. **Paediatr Anaesth 18: 992-3; 2008**
65. **Neema PK**, Manikandan S, Ahuja A, Dharan BS, Gandhi S, Krishnmanohar SR, Rathod RC, Sohmer B, Minhaj MM: Difficult weaning from cardiopulmonary bypass in the lateral position caused by lung collapse. **J Cardiothorac Vasc Anesth 22:616-24; 2008**
66. Manikandan S, **Neema PK**, Rathod RC: Combined monitored anesthesia care and femoral nerve block for muscle biopsy in children with myopathies. **Paediatr Anaesth 18:691; 2008**
67. **Neema PK**, Varma PK, Manikandan S, Rathod RC: Perioperative issues due to long standing lung Collapse during Repair of a Large Ascending Aortic Aneurysm. **Annals Card Anesth 11:116-21;2008**
68. Manikandan S, **Neema PK**, Rathod RC: Problems of central venous access in internal jugular vein in sinus venosus atrial septal defect. **J Cardiothorac Vasc Anesth 22:509; 2008**
69. Manikandan S, **Neema PK**, Rathod RC: A case of missing J-tip of the guide wire during internal jugular vein cannulation: fractured and embolized J-tip or manufacturing defect? **J Cardiothorac Vasc Anesth 22:507-8; 2008**
70. **Neema PK**, Manikandan S, Rathod RC: Left atrial pressure waveform: Does it show mitral insufficiency. **J Cardiothorac Vasc Anesth 22:318-20;2008**

71. **Neema PK**, Manikandan S, Singha Subrat, Rathod RC: Perioperative Myocardial Infarction in Neurosurgical Patients: Management Issues (Review article). **SAARC J. Anaesth 1:50-57; 2008**
72. Manikandan S, **Neema PK**, Rathod RC: Double color flow during transesophageal echocardiography in a child with tetralogy of Fallot: is this real or an artifact? **J Cardiothorac Vasc Anesth 22:155-6; 2008**
73. Manikandan S, **Neema PK**, Rathod RC: Increases in response entropy to skull pin insertion during neurosurgery. **J Neurosurg Anesthesiol 19: 65-6; 2007**
74. **Neema PK**, Manikandan S, Rathod RC: A Simple Technique to Secure Endotracheal Tube over Intubation Fiberscope. **Can J Anesth 54:159-60; 2007**
75. **Neema PK**, Manikandan S, RC Rathod: An Innovative Simple Technique of Blood Conservation in Adult Patients of Tetralogy of Fallot with Severely Raised Hemoglobin. **Am J Ext Corp Tech 39:257-9;2007**
76. **Neema PK**, Manikandan S, Aveek Jayant, Rathod RC: The depth markings on portex blue-line endotracheal tubes need to be reorganized for enhanced safety. **Paediatr Anaesth. 17:1010-1; 2007**
77. **Neema PK**, Manikandan S, Rathod RC: Fatal Endotracheal haemorrhage during CPB in a patient undergoing ascending aortic aneurysm repair. **Eur J Anaesthesiol 24: 2007**
78. **Neema PK**, Manikandan S, Rathod RC: Absent Right Superior Vena Cava and persistent left superior vena cava: The Perioperative Implications. **Anesthesia Analgesia 105:40-2; 2007**
79. Bodhey NK, Gupta AK, Neelakandhan KS, **Neema PK**, Kapilamoorthy TR, Purkayastha S, Thomas B, Krishnamoorthy T, Kesavadas C: Fluoroscopic-guided balloon dilatation and stenting in tracheal stenosis with metallic self-expandable stents and long-term follow-up results. **Australas Radiol 51:351- 6;2007**
80. **Neema PK**, Pathak S, Varma PK, Manikandan S, Rathod RC, Tempe DK, Tung A: Systemic air embolization after termination of cardiopulmonary bypass. **J Cardiothorac Vasc Anesth 21:288-97;2007**
81. **Neema PK**, S Rao, Manikandan S, Rathod RC: Complications of Unrecognized Bladder Distension. **Anesth Analg. 104(1):226-7;2007**
82. Vijayakumar A, Amarish M, **Neema PK**, Rathod RC: Unrecognized intranasal foreign body - potential consequences. **J Cardiothorac Vasc Anesth 21(3):478-9; 2007**
83. **Neema PK**, Manikandan S, Rathod RC: Endotracheal Tube Migration following transoesophageal echocardiography probe placement in a Child. **European J Anaesthesiol Dec;23(12):1060-1; 2006**
84. **Neema PK**, Manikandan S, Rathod RC: Implications of Intraoperative Transesophageal Echocardiography Detection of Ruptured Sinus of Valsalva In A Patient With Severe

- Aortic Regurgitation Undergoing Aortic Valve Replacement. **J Cardiothorac Vasc Anesth 20 (6):847-9;2006**
85. **Neema PK**, Rajnish Duara, Manikandan S, Rathod RC: Total Anomalous Pulmonary Venous Connection In A Patient With Situs Inversus Dextrocardia: Which Internal Jugular Vein To Cannulate Right Or Left? **J Cardiothorac Vasc Anesth 20(4): 632-3; 2006**
 86. **Neema PK**, Manikandan S, Rathod RC: Severe Hypotension And Overflowing Of Venous Reservoir At The Initiation Of Cardiopulmonary Bypass In A Patient Undergoing Repair Of Ruptured Sinus Of Valsalva Aneurysm: Management issues. **Interactive Cardio Vascular Thoracic Surgery 5:448-50; 2006**
 87. **Neema PK**, Varma PK, Sinha PK, Rathod RC: Hypertrophic Obstructive Cardiomyopathy with Severe Mitral Stenosis and Coronary Artery Fistula. **J Cardiothorac Vasc Anesth 20(4): 594-604; 2006**
 88. Sinha PK, **Neema PK**, Unnikrishnan KP, Varma PK, Jay Kumar K, Rathod RC: Effect of lung ventilation with 50% oxygen in air or nitrous oxide versus 100% oxygen on oxygenation index after cardiopulmonary. **J Cardiothorac Vasc Anesth 20 (2):136-42;2006**
 89. Varma PK, **Neema PK**: In reply to Emergency Surgery after Percutaneous Transmitral Commissurotomy: Operative findings and its comparison with Echocardiography, Mechanism of Complications and Outcome. **J Thorac Cardiovasc Surg 131: 927-8;2006**
 90. **Neema PK**, Arun Vijayakumar, Manikandan S, Rathod RC: In response – use of CSF drainage during single-stage transmediastinal repair of ascending / descending aortic aneurysms. **J Cardiothorac Vasc Anesth 20(1):126-7 2006**
 91. Manikandan S, **Neema PK**, Rathod RC: Airway problems due to hypogonadism in male patients undergoing neurosurgery. **Anesth Analg 101:1210-3;2005**
 92. Sinha PK, **Neema PK**: Abdominal Aortic Aneurysm – Anaesthetic considerations (Review article). **Indian J Anaesth 49 (s): 376-87;2005**
 93. **Neema PK**, Tambe S, M Unnikrishnan, Varma PK, Rathod RC: Surgical interruption of PDA in a child with severe aortic stenosis - Anesthetic considerations. **J Cardiothorac Vasc Anesth 19:485-6; 2005**
 94. **Neema PK**, Manikandan S: Tracheotomy and its variants (Review article). **Indian J. Anaesth 49:8;2005**
 95. **Neema PK**, Manikandan S, Rathod RC: In response to - Reducing allogenic transfusion in cardiac surgery: a randomized double-blind placebo-controlled trial of antifibrinolytic therapies used in addition to intraoperative cell salvage. **Br J Anaesth (e letter)**
 96. **Neema PK**, Manikandan S, Sinha PK, Rathod RC: In response to Perioperative myocardial infarction: Aetiology and prevention – The role of physical factors and B-blockers, and coronary atherosclerotic plaque. **Br J Anesth (e letter)**
 97. Varma PK, Theodore S, **Neema PK**, Ramachandran P, Harikrishnan S, Nair KK, Neelakandhan KS: Emergency Surgery after Percutaneous Transmitral Commissurotomy:

- Operative findings and its comparison with Echocardiography, Mechanism of Complications and Outcome. **J Thorac Cardiovasc Surg 130:772-6; 2005**
98. Akbari JG, Varma PK, Neema PK, Unnikrishnan M, Neelakandhan KS: Clinical profile and surgical outcome for pulmonary aspergilloma- A single center experience. **Ann Thorac Surg 80:1067-71; 2005**
 99. **Neema PK**, Manikandan S, Rathod RC: Difficult airway or Presbyopia. **Bri J Anaesth (e letter)**
 100. Sarma AK, Murali Krishna, Jayakumar K, **Neema PK**, Neelakandhan KS: Severe hypothyroidism after coronary artery bypass surgery. **Ann Thorac Surg 80:714-6; 2005**
 101. Sinha PK, **Neema PK**, Rathod RC: Does nitrous oxide reduce pain on propofol injection? A controlled double blind randomized and prospective Study - An initial experience. **Anesth Intensive Care 33: 235-8; 2005**
 102. **Neema PK**, Hetal DC: Respiratory physiology. **Anesthesia Update 12:7-5; 2005**
 103. Manikandan S, Sinha PK, **Neema PK**: Severe seizures during propofol induction in a patient with syringomyelia receiving baclofen. **Anesth Analg 100:1468-9; 2005**
 104. M Unnikrishnan, Sanjay Theodore, Arun Peter, **Neema PK**: Late thoracic aortic dissecting aneurysm following balloon angioplasty for recoarctation after subclavian flap aortoplasty in childhood – successful surgical repair under circulatory arrest. **Eur J Cardiothorac Surg 27:520-2; 2005**
 105. Varma PK, Gopakumar, **Neema PK**, Sinha PK, HariKrishna, M Unnikrishnan, Neelakandhan KS: Strategy for postoperative ductal aneurysm - midline sternotomy with circulatory arrest for their repair. **Eur J Cardiothorac Surg 27:416-9; 2005**
 106. Sanjay Theodore, Varma PK, **Neema PK**, Neelakandhan KS: Late aneurysm formation with destruction of left lung following subclavian flap angioplasty for coarctation of aorta. **J Thorac Cardiovasc Surg 129:468-9; 2005**
 107. **Neema PK**, Sinha PK, Varma PK, Rathod RC: Vocal cord dysfunction in two patients following mitral valve replacement - Consequences and Mechanism. **J Cardiothorac Vasc Anesth 19:83-5; 2005**
 108. **Neema PK**, Sinha PK, Varma PK, Rathod RC: Simultaneous repair of bilateral multiple emphysematous bullae with secundum ASD - Anesthetic implications and management. **J Cardiothorac Vasc Anesth 18:632-6; 2004**
 109. **Neema PK**: Monitoring in paediatric anaesthesia (Review article). **Indian J. Anaesth 48:365-375; 2004**
 110. Manikandan S, Sinha PK, **Neema PK**: Rapid sevoflurane induction unmasks laryngomalacia. **Paediatr Anaesth 14(9): 800-1; 2004**
 111. **Neema PK**, Sinha PK, Rathod RC: Inadvertent interruption of descending thoracic aorta on cardiopulmonary bypass during repair of ventricular septal defect and interruption of

- patent ductus arteriosus - Its recognition, consequences and prevention. **J Cardiothorac Vasc Anesth 18(4): 469-71; 2004**
112. Sinha PK, **Neema PK**: Anaesthesia and arteriovenous malformation (Review article). **Neurology India 52(2):163-70; 2004**
 113. Sinha PK, **Neema PK**: Fluid resuscitation in trauma: too much, too early, too little, too late (Review article). **J Anaesth Clin Pharmacology 20(1):17-24; 2004**
 114. Sinha PK, **Neema PK**, Manikandan S, Unnikrishnan KP, Rathod RC: Bradycardia and sinus arrest during saline irrigation of bare brain structures following epilepsy surgery. **J Neurosurgical Anesth 16:160-3; 2004**
 115. Sinha PK, **Neema PK**, Manikandan S, Unnikrishnan KP: Physical incompatibility of injection diclofenac sodium with isolyte P. **Anesth Analg 98:876; 2004**
 116. Varma PK, Warriar G, Ramachandran P, **Neema PK**, Krishnmanohar SR, Neelakandhan KS: Partial AV canal defect with CorTriatriatum sinister- report of 3 cases. **J Thorac Cardiovasc Surg 127: 572-3; 2004**
 117. Sinha PK, Kaushik S, **Neema PK**: Massive epistaxis after nasopharyngeal temperature probe insertion after open-heart surgery. **J Cardiothorac Vasc Anesth 18(1):123-4; 2004**
 118. **Neema PK**, Sinha PK, Rathod RC: Activated clotting time during cardiopulmonary bypass - Is repetition necessary during open-heart surgery? **Asian Cardiovasc Thorac Annals 12 (2):123-8; 2004**
 119. **Neema PK**, Sinha PK, Manikandan S, Rathod RC: Oversized endotracheal tube in pediatric anesthesia practice – Its objective detection. **Anesth Analg 97:1857-8; 2003**
 120. **Neema PK**, Menon Unnikrishnan, Sinha PK, Rathod RC: Anaesthetic management of a large hypertensive patent ductus arteriosus (PDA) in a patient with surgically uncorrectable right pulmonary artery hypoplasia. **J Cardiothorac Vasc Anesth 17 (6): 750- 3; 2003**
 121. **Neema PK**: Respiratory failure in critical care unit (Review article). **Indian J. Anaesth 47:360-6; 2003**
 122. Unnikrishnan KP, Sinha PK, **Neema PK**: Unusual cause of intraoperative hypertension and tachycardia. **Anesth Analg 97:1196; 2003**
 123. Nilesh J, **Neema PK**, Manikandan S, Rathod RC: Anaesthetic management for tracheal dilatation and stenting. **Ind J Anaesth 47:307-10, 2003**
 124. Rathod RC. **Neema PK**, Sinha PK, Koshy T: Analysis of circuit hypoxia with Aestiva/5 anesthesia machine – A retrospective study. **Acta Anaesthesiologica Scandinavica 116 47(S) : 95; 2003**
 125. Rathod RC. **Neema PK**, Sinha PK, Koshy T: Incidence and treatment of bradycardia during elective epilepsy surgery – A retrospective analysis. **Acta Anaesthesiologica Scandinavica 116 47(S):106; 2003**

126. **Neema PK**, Sinha PK, Rathod RC: Defective triple lumen catheter- an unusual cause of hypotension. **J Cardiothorac Vasc Anesth 17: 361-3; 2003**
127. Sinha PK, **Neema PK**: Non-Vegetarian Anaesthesia. **Lancet 361: 1916; 2003**
128. **Neema PK**, Ramakrishna S, Sinha PK, Rathod RC: Anaesthetic implications of surgical repair of aorto-caval fistula. **J Cardiothorac Vasc Anesth 17: 236-9; 2003**
129. **Neema PK**, Sinha PK, Rathod RC: Fractured central venous catheter – potential consequences. **J Cardiothorac Vasc Anesth 17 (1):144-5; 2003**
130. **Neema PK**, Waikar HD: Atenolol Premedication in patients undergoing Closed Mitral Commissurotomy. **Annals of Cardiac Anaesthesia. 6 (1): 42-6; 2003**
131. **Neema PK**, Rathod RC, Shyamkrishnan KG: Intrinsic airway abnormality in two patients with multiple congenital defects: A chance association or an unrecognized common association. **J Cardiothorac Vasc Anesth 16:214-7; 2002**
132. **Neema PK**, Krishnmanohar S, Rathod RC: Tetralogy of Fallot with Total Anomalous Pulmonary Venous Connection: Pathophysiology and Management. **J Cardiothorac Vasc Anesth 16: 211-3; 2002**
133. Malik KS, **Neema PK**, Sivasankaran Sivasubramaniam, Krishna Manohar SR. Palliative Bilateral Unidirectional Glenn Shunts. **Asian Cardiovasc Thorac Ann 9 (2): 138-41; 2001**
134. **Neema PK**, Nair SK: Critical Stenosis of Bicarotid Trunk and Left Subclavian Artery with Severe Coronary Artery Disease - A Management Dilemma. **Annals of Cardiac Anaesthesia 4: 33 -6; 2001**
135. **Neema PK**, Rathod RC Anaesthetic Management of a Giant Basilar Top Aneurysm by Embolisation in a Surgically Poor-Risk patient. **Indian J. Anaesth 45 (4): 305-6; 2001**
136. **Neema PK**, Waikar HD: Disappearance of Signs of Coarctation during Dissection in a Neonate- An Unusual Phenomenon. **J Cardiothorac Vasc Anesth 10 (3): 444; 1996**
137. **Neema PK**, Neelakandhan KS, Mohandas K, Waikar HD, Potti G: Simplified Shunt for Carotid Artery Surgery. **Asian Cardiovasc Thorac Ann 3 (2): 84-86; 1995**
138. **Neema PK**, Neelakandhan KS, Waikar HD: Continuous direct left atrial pressure monitoring during closed mitral commissurotomy. **J Cardiothorac Vasc Anesth 9 (6): 786-7; 1995**
139. **Neema PK**, S. Patel, HD Waikar: Anticonvulsants and Non- Depolarizing Muscle Relaxants: Drug Interaction. **J Anaesth Clin Pharmacology 11(1): 69-71; 1995**
140. **Neema PK**, Waikar HD, Thomas M: Accidental fracture of arterial leir line during CPB. **J Cardiothorac Vasc Anesth 8 (6): 715-6; 1994**
141. Mishra BK, **Neema PK**, Rout D: Excision of Anterior Skull Base Meningioma: Single Stage Craniofacial Approach. **Neurology India 40 (2): 117-119; 1992**

1. Praveen Reddy Bayya, **Praveen Kumar Neema**, Praveen Kerala Varma: Emergency Surgery after Percutaneous Mitral Valvotomy. Percutaneous Mitral Valvotomy 2012; Harikrishnan S (ed)
2. **PK Neema**: Physiology of Cardiovascular system, in Clinical Practice of Cardiac Anaesthesia, Tempe DK (ed), 3rd edition, CBS publication Delhi, 2012
3. **Neema PK**, Sethuraman Manikandan, Rathod RC: Acute lung collapse during open heart surgery: Clinical implications. Respiratory Care and Applied Technologies 2011; Antonio Esquinas (ed)
4. **Neema PK** and Rathod RC: Neurological problems during pregnancy. In: Obstetric anaesthesia. Sunanda Gupta (ed), Arya publications, New Delhi, 2004
5. Unnikrishnan M and **Neema PK**: Surgical and Anaesthetic perspectives in renovascular hypertension. Kasi V (ed)

EVALUATIONS FOR F1000 MEDICINE:

1. **Praveen Kumar Neema: Faculty of 1000 Medicine, 31 Jan 2008**
<http://www.f1000medicine.com/article/id/1097280/evaluation>
2. **Praveen Kumar Neema: Faculty of 1000 Medicine, 1 Apr 2008**
<http://www.f1000medicine.com/article/id/1100214/evaluation>
3. **Praveen Kumar Neema: Faculty of 1000 Medicine, 26 Jun 2008**
<http://www.f1000medicine.com/article/id/1115071/evaluation>
4. **Praveen Kumar Neema: Faculty of 1000 Medicine, 20 Oct 2008**
<http://www.f1000medicine.com/article/id/1103538/evaluation>
5. **Praveen Neema: Faculty of 1000 Medicine, 29 Jan 2009**
<http://www.f1000medicine.com/article/id/1126766/evaluation>
6. **Praveen Neema: Faculty of 1000 Medicine, 27 Nov 2009**
<http://f1000medicine.com/article/id/1119817/evaluation>
7. **Praveen Neema: Faculty of 1000 Medicine, 19 Aug 2010**
<http://f1000medicine.com/article/id/3566960/evaluation>
8. **Praveen Neema: Faculty of 1000 Medicine, 4 May 2010**
<http://f1000medicine.com/article/id/3081957/evaluation>
9. **Praveen Neema: Faculty of 1000 Medicine, 31 Jan 2011**
<http://f1000medicine.com/article/id/7875957/evaluation>
10. **Praveen Neema: Faculty of 1000 Medicine, 08 Sep 2011**

<http://f1000medicine.com/article/id/10909956/evaluation>

11. Praveen Neema: Faculty of 1000 Medicine, 19 Dec 2011

<http://f1000medicine.com/article/id/1282010/evaluation>

12. Neema P, Misra S: 2012.

<http://f1000.com/717598014#eval793052925>

PROFESSIONAL MEMBERSHIP:

- Life member - The Indian Society of Anaesthesiologists (ISA).
- Life-member-The Indian Association of Cardiovascular Thoracic Anaesthesiologists (IACTA).
- Life member - Research Society of Anesthesiology and Clinical Pharmacology (RSACP)
- Past Member Hospital Transfusion Committee (SCTIMST)
- Member "Education and Research Cell" The Indian Association of Cardiovascular Thoracic Anaesthesiologists

NATIONAL INVITED GUEST LECTURES:

1. Tetralogy of Fallot: Anaesthetic considerations, ACTA Mumbai 2021 (Virtual)
2. Panel discussion, Past, Present, and Future Cardiac anaesthesia, IACTA 2021 (Virtual)
3. Where should research in cardiac anaesthesia be focused? IACTA 2020, Goa
4. Risk factors for neurologic injury in paediatric cardiac surgery: causes and management, IACTACON 2019, Kolkata
5. Problem based learning – Postoperative ventilator associated pneumonia (VAP) IACTACON 2019, Kolkata
6. Anaesthetic implications of laparoscopic surgery, CZ PG Assembly, Lucknow 2019
7. Intraoperative Hypotension: Causes and Management, CZ PG Assembly, Lucknow 2019
8. Hemodynamic monitoring workshop – Central Venous Pressure and Pulmonary Artery Pressure waveform interpretation, CZ ISACON 2019, Raipur
9. Implications of raised intraabdominal pressure during laparoscopic surgery, CZ-ISACON 2019, Raipur
10. Anaesthetic challenges in patient with Treacher Collins Syndrome presenting for cleft palate repair, ISACON 2019, Bengaluru

11. One lung ventilation, ISACON CG 2018, Bilaspur
12. Current strategies in Fast-Tracking in Paediatric Cardiac Surgery. Sri Sathya Sai Sanjeevani International Center for child Heart Care and Research, Palwal Haryana 2018
13. Intraoperative hypotension and hypertension: Cause and management, ISACON 2018, Agra
14. Moderator for panel discussion on Cardiopulmonary bypass: Disasters, ISACON-2016, Ludhiana
15. CPB Techniques, IACTA Pune 2017
16. Valvular heart disease and non-cardiac surgery, IACTA Pune 2017
17. Low flow anaesthesia PG Assembly East Zone Bhubaneswar 2017
18. Indicators of perioperative adverse events, ISACONCG 2017, Raipur
19. Literature highlights in Cardiothoracic and Vascular Anesthesia in 2017 IACTACON 2018 Hyderabad
20. Low flow anaesthesia systems PG Assembly Central Zone Lucknow 2017
21. Low flow anaesthesia, ISACON Kolkata 2017
22. Combined valvular heart diseases: Pathophysiology and Management, IACTA Chennai 2016
23. Low flow anaesthesia, IPGMER Kolkata 2016
24. Anaesthetic management of hypertensive patients, ReCAP Pune 2015
25. Fallots' Tetralogy ReCAP Pune 2015
26. Anaesthetic management for anterior mediastinal mass, IACTA Jaipur 2015
27. Diastolic Dysfunction: Anaesthesia perspectives, GISACON, 2015
28. The etc. of CPB – blood sugar, temperature, hematocrit, flow, and mean arterial pressure: Do they matter to me? IACTA Mumbai 2014
29. Pulmonary artery hypertension: perioperative management. Sathya Sai Sanjeevani Hospital 2014
30. Management strategies in pulmonary artery hypertension. National Pediatric cardiac anesthesia and intensive care update, Mumbai 2014
31. Aortic stenosis. 8th TEE workshop, Bangalore, 2014
32. Advances in anaesthesia and critical care, MASCON, Mumbai 2014
33. Hypertension and Anaesthesia, MASCON, Mumbai 2014

34. How to improve survival in patients with heart failure, RSACP, Dehradun 2014
35. Management of arrhythmias after pediatric cardiac surgery. IACTA Kochy 2013
36. Heart failure and anaesthesia. ISACON Raipur (CG) 2013
37. TEE assessment of aortic stenosis. 7th TEE workshop, Bangalore, 2013
38. Heart failure and perioperative implications. Ossaicon Cuttack 2013
39. Perioperative diastolic dysfunction and management. Cardiac Anaesthesia update, Chennai, 2013
40. Pacemaker and ICD- Perioperative implication. ISACON-2013, Guwahati
41. Hypoxemia during one lung ventilation, IACTA Delhi, 2012
42. Moderator: CPB issues during aortic surgery, IACTA Delhi 2012
43. Postoperative Pulmonary Hypertension: Have our management strategies changed? 1st National Pediatric cardiac anesthesia and intensive care update, Mumbai 2012
44. The brain & congenital heart repairs: Risk factors & measures to prevent brain injury. 1st National Pediatric cardiac anesthesia and intensive care update, Mumbai 2012
45. Panel discussion – Infection in the Intensive care unit. Society of Cardiac Anesthesia, New Delhi 2012
46. Aortic regurgitation. 6th TEE workshop, Bangalore, 2012
47. Risk factors for brain injury and their prevention, PCSI Chennai, 2012
48. Compromised lung: optimization and management. ISACON-2012, Indore
49. Cardiac surgery associated acute kidney injury. IACTA Bangalore 2011
50. TEE in congenital Heart Disease. 5th TEE workshop, Bangalore, 2011
51. Moderator Antifibrinolytics use and misuse. Cardiac Anaesthesia update, Chennai, 2011
52. Subarachnoid hemorrhage current management strategies and anesthetic implications. ISACON-2011, Mumbai
53. Hemodynamic monitoring: teasing through waveforms IACTA Kolkata 2010
54. Valvular Heart Disease: 3D vs. 2D TEE. Society of Cardiac Anesthesia, New Delhi, 2010
55. TEE evaluation of prosthetic heart valves. 4th TEE workshop, Bangalore, 2010
56. Lactate Metabolism. 12th PCSI, Mumbai, 2010
57. Critical care management of acute ischemic stroke. 13th ISNR, Trivandrum, 2010

58. Anomalous left coronary artery from pulmonary artery. Cardiac Anaesthesia update, Chennai, 2010
59. Relevance of ACLS guidelines in perioperative period. ISACON-2010, Lucknow
60. Central venous O₂ saturation can replace mixed venous saturation; Pro. IACTA Chennai 2009
61. Anesthesia for vascular emergencies. SZISACON-2009, Hyderabad
62. Quantitative assessment of AS and AR. 3rd TEE workshop Bangalore 2009
63. Mitral valve disease and the anesthesiologist. RSACP-2009, New-Delhi
64. Anaesthetic management of patients with valvular heart disease (VHD) presenting for noncardiac surgery. ISACON-2009, Chennai
65. Newer pharmacologic interventions in low cardiac output syndrome: Are they really proven. IACTA - 2008, Ahmadabad
66. Evaluation of ischemic heart disease patients for non-cardiac surgery. PG Quest 2008 Trivandrum
67. Renal dysfunction after cardiac surgery. Perfusion update 2008
68. Weaning from ventilatory support. SZISACON-2008, Mangalore
69. Patient with a Cardiac pacemaker: Perioperative implications. ISACON-2008, Jodhpur
70. Propofol vs. Isoflurane, IACTA 2007, Chandigarh
71. TCA or low flow for aortic arch surgery. ASCA 2007, New Delhi
72. Renal dysfunction after myocardial revascularization Cardiac Anaesthesia update, Chennai, 2007
73. Cardiac anesthesia equipment update ISACON-2007, Visakhapatnam
74. Pathophysiology of right ventricular failure. 9th IACTA, PUNE, 2006
75. Thromboelastography. CME, Trivandrum, 2006
76. Who should anaesthetize cardiac patient presenting for non-cardiac surgery? SZISACON-2006, Pondicherry
77. Anesthesia education. RSACP-Pune, 2006
78. Neuromonitoring in cardiac anesthesia Cardiac Anaesthesia update, Chennai, 2006
79. Inotropes in intensive care unit. ISACON-2006, Mysore

80. Pathophysiology of combined valvular heart disease and their management, 8th IACTA, JAIPUR, 2005
81. Awake-craniotomy anaesthetic considerations. SZISACON-2005, Trivandrum
82. Ventilatory therapy. MPISACON 2005, Ujjain
83. Blood transfusion – Myths and Evidences, Neuroclub - 2005, Trivandrum
84. Abdominal aortic aneurysms: Anaesthetists Perspectives. VSICON, Trivandrum 2005
85. Isoprenaline is the drug of choice after Mitral valve replacement. Cardiac Anaesthesia update, CHENNAI, 2005
86. Low flow anaesthesia system. 53 ISA, KOLKATTA, 2005
87. Clinical Interpretation of blood gas analysis. CTVS CME Trivandrum 2004
88. Tetralogy and the Anaesthesiologist, 7th IACTA, Cochin 2004
89. Hemodynamic monitoring SZAC-AU, Annamalai Nagar, 2004
90. Newer Pharmacological interventions to reduce perioperative cardiac events. 28th ISACON KOCHIN, 2004
91. OPCAB - what is new? RSACP 2004, MUMBAI
92. Phosphodiesterase III inhibitors are not the inotropes of choice in post cardiac surgical patients. Cardiac Anaesthesia update, CHENNAI, 2004
93. Newer modes of ventilation and strategy. 52 ISA, BHOPAL, 2004
94. On pump versus off pump CABG, Cardiac anaesthesia update, CHENNAI, 2003
95. Anatomy and Physiology of coronary circulation and its relevance to Anaesthesiologist. SAPCON 2003, KURNOOL
96. Muscle relaxants and altered physiology. 51 ISA, Bhuvneswar, 2003
97. Carotid Endarterectomy. ISNACC 3, MUMBAI, 2002
98. The choice of Anaesthesia on outcome. ISACON Kerala, KANNUR 2002
99. Post CABG patient for non-cardiac surgery. 50 ISA, COIMBOTORE, 2002
100. Anaesthesia and Myasthenia Gravis. 27th SZISACON, MYSORE, 2001
101. Blood Gases in Neuromedical ICU. Medical college TRIVANDRUM, 2001
102. Pulse oximetry. 49 ISA, AHMEDABAD, 2001
103. Anesthesia and congenital heart disease. ISA Karnataka, MANGLORE, 2000

104. Anesthetic management of post MVR patient for Non-cardiac surgery. ISA 47, COCHIN, 1999

105. Interpretation of blood gases. CME Nephrology, Med College TRIVANDRUM, 1998

INTERNATIONAL INVITED LECTURES:

1. Blood conservation in cyanotic patients undergoing cardiac surgery. 24th Annual symposium – Clinical update in anesthesiology, surgery and perioperative medicine St Thomas US Virgin Island, 2006
2. Tetralogy of Fallot and Anesthesiologist. Mount Sinai Hospital, New-York, 2006
3. Anesthetic management of patients undergoing open repair of Infrarenal abdominal aortic aneurysm. Endovascology 2009, Shanghai, PR China
4. Management of Intracardiac shunts. 9th Congress of SAARC Association of Anaesthesiologists, Bengaluru, India 2011

CARDIAC CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED AS INVITED FACULTY:

Indian Association of Cardio-Thoracic Anaesthesiologist Conference

1. 1st National conference, IACTA 1, CHENNAI, 1997
2. 4th National conference, IACTA 4, HYDERABAD, 2000
3. 5th National conference, IACTA 5, BANGLORE, 2001
4. 6th National conference, IACTA 6, LUCKNOW, 2002
5. 7th National conference, IACTA 7, KOCHIN, 2004
6. 8th National conference, IACTA 8, JAIPUR, 2005
7. 9th National conference, IACTA 9, PUNE, 2006
8. 10th National conference, IACTA 10, CHANDIGARH, 2007
9. 11th National conference IACTA 11, AHMEDABAD, 2008
10. 12th National conference IACTA 12, CHENNAI 2009
11. 13th National conference IACTA 13, Kolkata 2010
12. 14th National conference IACTA 14, Bangalore 2011
13. 15th National conference IACTA 15, New Delhi 2012
14. 16th National conference IACTA 16, Kochi 2013
15. 17th National conference IACTA 17, Mumbai 2014

16. 18th National conference IACTA 18, Jaipur 2015
17. 19th National conference IACTA 19, Chennai 2016
18. 20th National conference IACTA 20, Pune 2017
19. 21st National conference IACTA 21, Hyderabad 2018
20. 22nd National Conference IACTA 22, Kolkata 2019
21. 23rd National Conference IACTA 23, Goa 2020
22. 24th National Conference IACTA 24, (Virtual conference), Feb 2021

CARDIAC ANAESTHESIA UPDATE CHENNAI:

1. Cardiac anaesthesia update, CHENNAI, 2003
2. Cardiac anaesthesia update, CHENNAI, 2004
3. Cardiac anaesthesia update, CHENNAI, 2005
4. Cardiac anaesthesia update, CHENNAI, 2006
5. Cardiac anaesthesia update, CHENNAI, 2007
6. Cardiac anaesthesia update, CHENNAI, 2010
7. Cardiac anaesthesia update, CHENNAI, 2011
8. Cardiac anaesthesia update, CHENNAI, 2013

TRANSESOPHAGEAL ECHOCARDIOGRAPHY WORKSHOPS:

1. Workshop on "Intraoperative Transesophageal echocardiography" Conducted by IACTA JAIPUR, INDIA. 19th Feb 2005.
2. Workshop on "Advanced Transesophageal echocardiography" Conducted by IACTA PUNE, INDIA. 24th Feb 2006
3. 3rd "Transesophageal echocardiography workshop", Narayana Hridayalaya, Bangalore 2009
4. Third "Transesophageal echocardiography" workshop. PGI Chandigarh 2009
5. 4th "Transesophageal echocardiography" workshop, Narayana Hridayalaya, Bangalore 2010
6. 5th "Transesophageal echocardiography" Narayana Hridayalaya, Bengaluru 2011
7. "Transesophageal echocardiography" workshop, conducted by IACTA New-Delhi 2012
8. 6th "Transesophageal echocardiography" workshop, Narayana Hridayalaya, Bengaluru 2012
9. 7th "Transesophageal echocardiography" workshop, Narayana Hridayalaya, Bengaluru 2013
10. 8th "Transesophageal echocardiography" workshop, Narayana Hridayalaya, Bengaluru 2014

PEDIATRIC CARDIAC ANESTHESIA AND INTENSIVE CARE UPDATE:

1. 1St Pediatric Cardiac Anesthesia and Intensive Care Update Kokilaben Hospital, Mumbai 2012
2. 2nd Pediatric Cardiac Anesthesia and Intensive Care Update Kokilaben Hospital, Mumbai 2014

PEDIATRIC CARDIAC SURGERY OF INDIA:

1. 2nd National conference, PCSI, Kochi, 2004
2. 4th National conference, PCSI, Kochi 2006
3. 12th National Conference, PCSI, Mumbai, 2010
4. 14th National Conference, PCSI Chennai 2012

NATIONAL CONFERENCES (INDIAN SOCIETY OF ANAESTHESIOLOGIST) ATTENDED AS FACULTY:

1. 44th ISA Hyderabad 1996
2. 46th ISA, Kathmandu, 1998
3. 47th ISA, Cochin, 1999
4. 48th ISA, Nagpur, 2000
5. 49th ISA, Ahmadabad, 2001
6. 50th ISA, Coimbatore, 2002
7. 51st ISA, Bhuvneshwar, 2003
8. 52nd ISA, Bhopal, 2004
9. 53rd ISA Kolkata, 2005
10. 54th ISA Mysore 2006
11. 55th ISA Vizag 2007
12. 56th ISA Jodhpur 2008
13. 57th ISA Chennai 2009
14. 58th ISA Lucknow 2010
15. 59th ISA Mumbai 2011
16. 60th ISA Indore 2012
17. 61st ISA Guwahati 2013
18. 64th ISA Ludhiana 2016
19. 65th ISA Kolkata 2017

20. 66th ISA Agra 2018
21. 67th ISA Bengaluru 2019

INTERNATIONAL CONFERENCES ATTENDED AS FACULTY:

1. 24th Annual symposium – Clinical update in anesthesiology, surgery and perioperative medicine St Thomas US Virgin Island, 2006
2. Endovascology 2009 Shanghai, PR China
3. SAARC Anaesthesiology Congress 2011, Bengaluru, India

RESEARCH SOCIETY OF ANAESTHESIOLOGY AND CLINICAL PHARMACOLOGY CONFERENCES ATTENDED AS FACULTY:

1. 17th National conference RSACP, Mumbai 2004
2. 18th National conference RSACP, Pune 2006
3. 19th National Conference RSACP New Delhi 2009
4. 21st National Conference RSACP Dehradun 2014

AREAS DEVELOPED:

1. Anesthesia and postoperative management for valvular heart diseases
2. Cardiopulmonary bypass
3. Anesthesia for major vascular diseases and
4. Blood conservation in cardiac surgery

FUTURE ACADEMIC PLAN:

- Planning to launch scientific journal on anaesthesia and critical care with an aim to teach postgraduate anaesthesia trainees and retraining of anaesthesia practitioners
- To conduct Central zone PG assembly

REFEREES:

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