



Dr Puneet Goyal

Professor

Brief Biodata:

Professional qualifications:

MBBS: Tirunelveli Medical College, Tirunelveli (TN) 1997

MD Anesthesiology: SGPGIMS, Lucknow (UP) 2002

DM Cardiac Anesthesiology: AIIMS, New Delhi 2006

Diplomate of American National Board of Echocardiography: NBE, USA 2013

AHA certified BLS/ACLS training instructor: AHA 2014, 2016, 2018

Areas of interest:

1. Management of critically ill patients in a Medical-Surgical ICU under dept of Anesthesiology.
2. Perioperative Medicine and perioperative management of patients with complex medical and surgical illnesses
3. Cardiac patients for non-cardiac surgery in Non-Cardiac Surgical Operating Rooms including ischemic heart disease, valvular heart disease and congenital heart disease patients including delivery of high-risk pregnancies.
4. Peripartum management of various Fetal surgeries and EXIT procedures
5. Cardiac surgical operation theatre and Cardiac Cath lab including Anesthesia for minimally invasive cardiac surgery and interventional cardiological procedures like MIDCAB and TAVI. Pediatric Cardiac Anesthesia for repair

of complex congenital cardiac malformations like TOF and Univentricular heart for Fontan repair

6. Perioperative Trans esophageal echocardiography to guide valve repairs and monitor adequacy of repair in various congenital heart defects.
7. Point of care ultrasonography to quickly diagnose cardio-pulmonary pathologies in Operating rooms and ICU and provide quick therapeutic decision making to improve patient outcome (TTE, FATE, FAST, Lung USG etc)
8. Advanced Venous access solutions to patients requiring long term venous access like patients receiving chemotherapy in the form of Chemoport implantation and Hickman catheter insertion.

Research Publications in last 5 years

Original Articles

1. Novel techniques for difficult airway management in various clinical scenarios: case series and review of literature. International journal of scientific research Volume - 9 | Issue - 8 | August - 2020 | PRINT ISSN No. 2277 - 8179 | DOI : 10.36106/ijsr
2. Metabolomic profile of mini bronchoalveolar lavage fluid from chronic obstructive pulmonary disease patients to investigate the effects of endotracheal intubation and mechanical ventilation using NMR spectroscopy. International journal of scientific research Volume-8 | Issue-10 | October - 2019 | PRINT ISSN No. 2277 - 8179 | DOI : 10.36106/ijsr
3. Diagnostic Performance of 6-Point Lung Ultrasound in ICU Patients: A Comparison with Chest X-Ray and CT Thorax. Turk J AnaesthesiolReanim 2019; 47(4): 307-19.

4. Ultrasound guided internal jugular vein cannulation in infants: comparative evaluation of novel modified short axis out of plane approach with conventional short axis out of plane approach. *Indian Journal of Anaesthesia* 2018; 62: 208-13.
5. Identification of Various Perioperative Risk Factors Responsible for Development of Postoperative Hypoxemia Today. *Turk J AnaesthesiolReanim* 2018. 2018 Dec;46(6):416-423. DOI: 10.5152/TJAR.2018.82160.
6. Morbidity of chemotherapy administration and satisfaction in breast cancer patients: A comparative study of totally implantable venous access device (TIVAD) versus peripheral venous access usage. *World Journal of Surgery* 2014 May;38(5):1084-92.

Case Reports:

7. An Unusual Cause of Electrocardiographic Artefact: A Patient's Warming Blanket. *Turk J AnaesthesiolReanim* 2018. DOI: 10.5152/TJAR.2018.40325
8. Unruptured sinus of Valsalva aneurysm mimicking as right atrial tumor. *Echocardiography*. 2017; 00:1–3.
9. Anesthetic challenges of extrinsic trachea-bronchial compression due to posterior mediastinal mass: Our experience with a large esophageal mucocele. *Annals of Cardiac Anaesthesia* 2017; 20 (3): 359-361.
10. Anaesthetic Considerations for Balloon Mitral Valvuloplasty in Pregnant Patient with Severe Mitral Stenosis: A Case Report and Review of Literature. *Journal of Clinical and Diagnostic Research*. 2017 Sep, Vol-11(9): UD01-UD03.

11. Acquired trachea esophageal fistula with undiagnosed tracheal stenosis: A simple innovation to avoid tracheostomy! Indian J of Anaesthesia 2016; 60(11): 869-70.

Book Chapters (with citations):

Authored a chapter “**Pulmonary Artery Catheterization**” in a book on “**Manual of ICU Procedures**” published by Jaypee Brothers Medical Publishers; 1/E edition (31 August 2015).