

Research Publications:

Sr. No.	Title
2018	
1	Patel B ,Shah D.V. ,Patel H,Vachharajani P,Sarvaia A.Adaptive smith predictor controller for total intravenous anesthesia automation[Biomedical Engineering letters;2018;December ,90]
2	Hathiwala H, Shah D.V. .Evaluation of adding tramadol to local anaesthetics in brachial plexus block for post operative analgesia. Indian Journal of Applied Research Volume-8 Issue-6 June 2018
3	Shah D.V. ,Hathiwala H, Patel M., Effect of oral clonidine and Oral Gabapentine as premedication on hemodynamic stress responses during laryngoscopy and tracheal intubation and duration of post operative analgesia.Manuscript ID:2018-729 (Date of acceptance:16/11/2018).
4	Shah D.V., Panchal K. Public awareness about the speciality of anaesthesiology and role of anaesthesiologist. Indian Journal of Applied Research (Date of Acceptance: 21/11/2018).
5	Soni B, Sheth P, Vachharajani P, Desai K. Real time ULTRASOUND GUIDED Catheterization of the internal jugular vein// A Prospective comparison with Landmark Technique (Indian Journal of Anesthesia and Analgesia , Date of Acceptance 31/03/2018 Ref No. IJAA_7203_2018)
6	Patel B, Patel P,Koyani M, Shah D.V, Vacchrajani P comparison of fractionated versus bolus dose of bupivacaine in spinal anaesthesia for patients with PIH undergoing elective caeserian section.(Indian Journal of Applied Research vol 8,Issue 2,2018)
7	Joshi S,Khare P.Comparison of Thiopentone sodium versus propofol as an anesthetic agent in modified electroconvulsive therapy (JMSCR Vol/06/Issue/03/Page953-958/ March 2018
2017	
1	Patel B, Shah D.V., Hui M, Patel D, Vacchrajani P. A Comparative Study of Intrathecal Bupivacaine Heavy (0.5%) with Clonidine and Midazolam for clinical Effects and Duration of Post-Operative Analgesia in Patients Undergoing Elective Caesarean Section. [International Journal of Current Medical and Applied Sciences, 2017; April, 14(2), 60-64]
2	Hathiwala H, Shah D.V., Vacchrajani P .Effect of Dexmedetomidine or Clonidine on the characteristics of Bupivacaine spinal block in surgeries below umbilicus. (International journal of Scientific research volume -6,Issue -11,Nov-2017
3	Sojitra B, Shah D.V., Patel A, Vacchrajani P. Comparative Study of Ropivacaine versus Ropivacaine with Clonidine for caudal analgesia in paediatric age group among lower abdominal and limb surgery. Manuscript ID: NJMR-2016-12-041(Date of Acceptance: 28/12/2017).
4	Korat R, Pandya M, Patel P, Vachhrajani P.Comparative study of Dexmeditomidine and Fentanyl for Epidural analgesia for lower limb orthopaedic surgeries (International Journal of sciences and research volume-6, Issue-5, May -2017)
5	Sheth P, Soni B, Kapadia K. Comparative study of Intravenous infusion of Clonidine

	and/or Magnesium Sulphate on Hemodynamic stress response to tracheal intubation and pneumoperitoneum during laparoscopic surgery. National Journal of Medical Research volume 7 Issue 1 Jan-Mar 2017)
6	Sojitra B , Soni B, Revadiwala N, Vachharajani P. Effect of Addition of Dexmedetomidine in Ropivacaine and Bupivacaine in Axillary Brachial plexus block for hand or forearm surgery.(National Journal of Medical Research Volume 7, issue 4,oct-Dec2017)
	Patel D, Vacchrajani P,Patel K,Patel B,Shah D.V. Post Operative Analgesia for circumcision in paediatric patients : Comparison among penile block, Diclofenac Sodium suppository and lignocaine jelly applied locally [Indian journal of applied research (IJAR) volume 7 issue 1, January 2017]
	2016
1	Assessment of the Benefits of Bispectral Index Monitoring For Using Volatile Anaesthetic Agents For Anaesthesia. [International Journal of Medical and Health Research, Volume 2 Issue 8, August 2016, Page 52-58]. Dr. Pooja Patwa; Dr. Kalpana Desai, Dr. Pragna Vachhrajani
2	Patel D, Shah D.V., Patel B, Patel H, Vacchrajani P. Transversus abdominis plane block for post operative Analgesia in lower abdominal surgery: A Comparison of Bupivacaine and Ropivacaine [International Journal of Science and Research (IJSR), volume 5 Issue12, December 2016]
3	Gohil P, Pandya M, Patwa P.A Comparison of Oral premedication with clonidine and Metoprolol on Intraoperative hemodynamics and surgical conditions during FESS [International Journal of Medicines Researchers Volume-1, issue -3, July-2016.]
4	Soni B, Sheth P, Shah V. Randomized Controlled Study of Intravenous Regional Anaesthesia for Forearm & Hand Surgery: Comparison of Lignocaine with Ketamine & Lignocaine with Dexmedetomidine . (International Journal of Science and Research ISSN (online//2319-7064, IF 6.391 vol 5, issue 6, june 2016)
	2015
1	A Comparative Study between Intramuscular Midazolam and Oral Clonidine as a premedication for general anaesthesia. [National Journal of Medical Research volume 5, issue 4, oct-dec 2015 page no312-315]. Dr. Jignasha Patel, Dr. Kalpana Desai

Ongoing Research:-

Sr. No.	Topic	Investigator(s)
1.	Comparative evaluation of lidocaine(2%)plus Ropivacaine (0.75%) versus Lidocaine (2%) plus Bupivacaine(0.50%) during peribulbar anaesthesia for Cataract surgery	Dr. S. K. Patel Dr. Monika Shah
2.	Comparison of effect of Proseal LMA laryngeal mask cuff inflation with Air, oxygen,air:oxygen mixture &nitrous oxide : oxygen mixture in adults :A randomised double blind study	Dr. Divyang Shah Dr. Abhidutt Shukla
3.	Study to compare the effect of bolus versus intravenous infusion of Dexmedetomidine on intraoperative hemodynamics in ENT surgeries under general anesthesia	Dr. Archana Vaghela Dr. Krunal Pandav
4.	Comparative evaluation of Propofol –ketamine, propofol-Fentanyl and propofol-Dexmedetomidine in terms of hemodynamic variables and recovery characteristics in general anaesthesia	Dr. Kalpana Desai Dr. Ravisha Sheth
5.	Study of prediction of difficult laryngoscopy by ultrasound quantification of anterior neck soft tissue	Dr. Bhavna Sojitra Dr. Khushboo Patel
6.	A study of usage of Laryngeal mask airway in children & its comparison with endotracheal intubation at tertiary care hospital	Dr. Bina Patel Dr. Khyati Panchal