

THESIS TOPICS IN DEPARTMENT OF ANAESTHESIA

Sr. No.	Year	Student Name	Thesis Topics	PG teacher
01	2006 to 2009	Dr. Dipika Patel	The clinical effects of sequential combined spinal epidural anaesthesia Versus Spinal Anaesthesia undergoing major orthopaedic surgery.	Dr. kalpana Desai
02	2006 to 2009	Dr. Prashant Patel	Effects of Midazolam premedication on propofol requirement for sedation during regional anaesthesia.	Dr. Malti Pandya
03	2006 to 2009	Dr. Brijesh Soni	A Comparative Study of combined epidural & General Anaesthesia Versus General Anaesthesia for laparoscopic cholecystectomy.	Dr. Bhavna Soni
04	2006 to 2009	Dr. Bijal Virani	A Comparative Study of Sevoflurane Versus Propofol for laryngeal mask airway insertion in adults.	Dr. Divyang Shah
05	2007 to 2010	Dr. Ankit Munshi	A Comparative study of Butorphenol and Fentanyl as an Adjuvant to total intravenous anaesthesia for short duration laparoscopic surgery.	Dr. kalpana Desai
06	2007 to 2010	Dr. Vikesh Revdiwala	A Comparative study of onset of action, duration of action and Intubating conditions between Rocuronium bromide and Suxamethonium chloride in paediatric patients.	Dr. Bhavna Soni
07	2007 to 2010	Dr. Divya Mulchandani	Study of Safety and efficacy of clonidine/ bupivacaine combination in caudal block for paediatric lower limb and abdominal surgery.	Dr. Divyang Shah
08	2007 to 2010	Dr. Bhumika Sherdiwala	Effects of intrathecal clonidine and Fentanyl as adjuvant to hyperbaric bupivacaine (0.5 %) in lower abdominal surgery.	Dr. Malti Pandya
09	2008 to 2011	Dr. Jaydeep Patel	Comparison of Fentanyl or Midazolam added to 0.5 % bupivacaine heavy for elective caesarean delivery under spinal anaesthesia.	Dr. Bhavna Soni
10	2008 to 2011	Dr. Tapan Patel	Comparative Study between oral Midazolam and intranasal Midazolam as preanaesthetic medication in children of age between 6 to 15 years undergoing surgery under general anaesthesia.	Dr. Divyang Shah
11	2008 to 2011	Dr. Ronak Nagoria	Effect of Tramadol or clonidine as an adjuvant to local anaesthetics in supraclavicular brachial plexus block for upper extremity surgery	Dr. Malti Pandya
12	2008 to	Dr. Mahesh Ahir	A Comparative study of lignocaine, Fentanyl and esmolol on attenuation of hemodynamic response	Dr. kalpana Desai

	2011		to laryngoscopy and endotracheal intubation.	
13	2009 to 2012	Dr. Susmita Mahala	A Comparative study of thoracic epidural anaesthesia versus general anaesthesia for perioperative management of Breast surgery	Dr. Bhavna Soni
14	2009 to 2012	Dr. Kruti Patel	Post operative analgesia for circumcision in paediatric patients: Comparison among penile block , Diclofenac Sodium suppository and Lignocaine	Dr. Pragna Vachhrajani
15	2009 to 2012	Dr. Komal Tailor	A prospective double blind randomised trial of caudal block using Ropivacaine 0.2% with or without Tramadol in children for Lower abdominal and lower limb surgery.	Dr. Malti Pandya
16	2009 to 2012	Dr. Abid Chauhan	Lumbar plexus block for post operative analgesia following lower limb orthopaedic surgery :A Comparison of ' 3 in 1' and psoas compartment block	Dr. Divyang Shah
17	2010 to 2013	Dr. Arpan Patel	Comparative study of Ropivacaine versus Ropivacaine with clonidine for caudal analgesia in paediatric age group posted for lower abdominal and lower limb surgery.	Dr. Divyang Shah
18	2010 to 2013	Dr. Nikunj Revdiwala	Effect of addition of Dexmedetomidine to 0.5% Ropivacaine or 0.5% Bupivacaine in axillary route brachial plexus block in hand & forearm surgery.	Dr. Bhavna Soni
19	2010 to 2013	Dr. Bhumika Munsii	Comparison of effects of MgSO ₄ versus clonidine as an adjuvant to epidural Bupivacaine in lower limb and lower abdominal surgeries.	Dr. Pragna Vachhrajani
20	2010 to 2013	Dr. Aashish Jain	Comparative evaluation of topical versus intravenous Lignocaine for LMA insertion under Propofol.	Dr. Malti Pandya
21	2011 to 2014	Dr. Hardik Patel	Tranverse abdominal plane block for post operative analgesia in lower abdominal surgery: A comparison of Bupivacaine and Ropivacaine	Dr. Divyang Shah
22	2011 to 2014	Dr. Savita Jhanwar	Comparative study of fascia iliaca compartment block and three in one block for post operative analgesia in patients undergoing lower orthopaedic surgery	Dr. Malti Pandya
23	2011 to 2014	Dr. Sameer Halpati	A comparative randomised study of Para vertebral block versus unilateral spinal anaesthesia for non complicated inguinal hernia repair	Dr. Pragna Vachhrajani
24	2011 to 2014	Dr. Keyur Kapadia	Comparative study of intra venous injection of clonidine and/or magnesium sulphate on hemodynamic response to tracheal intubation and pneumoperitoneum during laparoscopic surgery	Dr. Bhavna Soni
25	2011	Dr. Mahesh	A comparative study of clonidine and Tramadol as	Dr. kalpana

	to 2014	Sutariya	additive to 0.5 % Bupivacaine plain in epidural anaesthesia	Desai
26	2012 to 2015	Dr. Viral Shah	Randomised controlled study of intravenous regional anaesthesia for forearm and hand surgery: Comparison of Lignocaine, lignocaine with ketamine and lignocaine with Dexmedetomidine	Dr. Bhavna Soni
27	2012 to 2015	Dr. Vikas Kalra	A comparison of different post operative analgesia techniques and their effects on post operative pulmonary functions in patients undergoing laparoscopic cholecystectomy	Dr. Pragna Vachhrajani
28	2012 to 2015	Dr. Mohsin Hui	A comparative study of intrathecal Bupivacaine heavy (0.5 %) with clonidine and Midazolam for clinical effects and duration of post operative analgesia in patient undergoing elective caesarean section	Dr. Divyang Shah
29	2012 to 2015	Dr. Pinal Patel	A comparative study of Dexmedetomidine and Fentanyl for epidural analgesia for lower limb orthopaedic surgery	Dr. Malti Pandya
30	2013 to 2016	Dr. Pratiti Gohil	A comparison of effect of oral pre-medication with Clonidine and Metoprolol on intraoperative hemodynamics and surgical conditions during functional endoscopic sinus surgery	Dr. Malti Pandya
31	2013 to 2016	Dr. Pooja Patwa	Assessment of the benefits of Bispectral index monitoring for using of volatile anaesthetic agents for anaesthesia	Dr. kalpana Desai
32	2013 to 2016	Dr. Krupali Patel	A study of propofol auto-co-induction versus Midazolam-propofol co-induction using priming principle by Bispectral index analysis for ambulatory surgery	Dr. Bhavna Soni
33	2014 to 2017	Dr. Priyanka Patel	Effect of Dexmedetomidine infusion on Halothane requirement to provide oligemic surgical field during middle ear surgeries under general anaesthesia	Dr. Malti Pandya
34	2014 to 2017	Dr. Meet Patel	Effect of oral Clonidine and oral Gabapentine as premedication on hemodynamic stress responses during laryngoscopy and tracheal insertion and duration of postoperative analgesia	Dr. Divyang Shah
35	2014 to 2017	Dr. Richa Shah	Effect of a single pre operative dose of Dexmedetomidine versus Fentanyl on anaesthetic requirement and perioperative hemodynamic	Dr. kalpana Desai

			stress response	
36	2014 to 2017	Dr. Palak Sheth	Real time ultrasound guided catheterisation of the internal jugular vein. A prospective comparison with the landmark technique	Dr. Bhavna Soni
37	2014 to 2017	Dr. Heena Patel	A comparative evaluation of hyperbaric Ropivacaine versus hyperbaric bupivacaine in lower abdominal and lower limb surgeries under spinal anaesthesia	Dr. Pragna Vachhrajani
38	2015 to 2018	Dr. Pratik Patel	Intraperitoneal instillation of Bupivacaine alone versus Bupivacaine plus Dexmedetomidine versus Bupivacaine plus Tramadol for post operative analgesia following laparoscopic cholecystectomy	Dr. S.K. Patel
39	2015 to 2018	Dr. Mitesh Patel	Comparison of Dexmedetomidine and magnesium sulphate as an adjuvant to Bupivacaine for transversus abdominis plane block in caesarean delivery for post operative analgesia	Dr. Pragna Vachhrajani
40	2015 to 2018	Dr. Richa Tailor	A comparison of the effects of Propofol and Sevoflurane on post operative cognitive function and memory in patient undergoing general anaesthesia	Dr. Malti Pandya
41	2015 to 2018	Dr. Nikita Badmaliya	Postoperative analgesia after major abdominal surgery: influence of Fentanyl-Bupivacaine patient controlled epidural analgesia versus Fentanyl patient controlled intravenous analgesia	Dr. Bhavna Soni
42	2015 to 2018	Dr. Jigisha Surti	Comparison of infraclavicular brachial plexus block with supraclavicular brachial plexus block in upper limb surgeries under guidance of peripheral nerve stimulator	Dr. Bina Patel
43	2015 to 2018	Dr Hitesh Patel	To compare the insertion conditions and hemodynamic changes during I-gel insertion using Propofol , ketamine-Propofol combination (Ketofol) and Thiopentone as intravenous induction agents	Dr. kalpana Desai
44	2015 to 2018	Dr. Rinkal Bhadiyadra	A comparison of epidural versus intravenous administration of Dexmedetomidine as an adjuvant to epidural anaesthesia in lower abdominal and lower limb surgery	Dr. kalpana Desai
45	2015 to 2018	Dr. Dipali Patel	Epidural labour analgesia: A comparison of mixture of Ropivacaine 0.125 % with Fentanyl versus Ropivacaine 0.2 % with Fentanyl	Dr .Bhavna Sojitra
46	2015 to 2018	Dr. Raksha Vyas	Comparison of Proseal laryngeal mask air way and I-gel for ease of insertion and hemodynamic stability in patients undergoing general anaesthesia	Dr. Divyang Shah
47	2016 to	Dr. Monika Shah	Comparative evaluation of lidocaine(2%)plus Ropivacaine (0.75%) versus Lidocaine (2%) plus	Dr. S. K. Patel

	2019		Bupivacaine(0.50%) during peribulbar anaesthesia for Cataract surgery	
48	2016 to 2019	Dr. Abhidutt Shukla	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
49	2016 to 2019	Dr. krunal Pandav	Study to compare the effect of bolus versus intravenous infusion of Dexmedetomidine on intraoperative hemodynamics in ENT surgeries under general anesthesia	Dr. Archana Vaghela
50	2016 to 2019	Dr. Ravisha Sheth	Comparative evaluation of Propofol –ketamine, propofol-Fentanyl and propofol-Dexmedetomidine in terms of hemodynamic variables and recovery characteristics in general anaesthesia	Dr. kalpana Desai
51	2016 to 2019	Dr. Khushboo Patel	Study of prediction of difficult laryngoscopy by ultrasound quantification of anterior neck soft tissue	Dr .Bhavna Sojitra
52	2016 to 2019	Dr. Khyati Panchal	A study of usage of Laryngeal mask airway in children & its comparison with endotracheal intubation at tertiary care hospital	Dr. Bina Patel
53	2016 to 2019	Dr. Ayush Shah	Comparative evaluation of Dexmedetomidine and ketamine for Epidural analgesia in Lower limb orthopaedic surgeries	Dr. Malti Pandya
54	2016 to 2019	Dr. Aaqeeb Lakdawala	Comparison of the effect of intravenously administered Dexmedetomidine versus clonidine on hemodynamic response and postoperative analgesia in Laparoscopic surgery	Dr. Pragna Vachhrajani
55	2016 to 2019	Dr. Jaimin Patel	Comparative study of Ropivacaine alone, Ropivacaine with Dexmedetomidine and Ropivacaine with Fentanyl for Caudal epidural analgesia perioperatively in paediatric infra umbilical surgery	Dr. Bhavna Soni

Publications from Anaesthesiology Dept. SMIMER

Last 3 Years

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**].

Author's name: Dr. Jignasha Patel (Assist Prof. GMC Surat)
Dr. Kalpana Desai (Dean and professor)

2. 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**].

Author's Name: Dr. Pooja Patwa (Ex Resident)
Dr. Kalpana Desai (Dean and professor)
Dr. Pragna Vachhrajani (Prof. & Head)

3. 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**]

Author's Name: Dr. Dipika Patel (Tutor)
Dr. Bina Patel (Assist. Prof.)
Dr. Hardik Patel (Resident)
Dr. Divyang Shah (Asso. Prof.)
Dr. Pragna Vachhrajani (Prof. & Head)

4. 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**]

Author's Name: Dr. Dipika Patel (Tutor)
Dr. Pragna Vachhrajani (Prof. & Head)
Dr. Kruti Patel (Resident)
Dr. Bina Patel (Assist. Prof.)
Dr. Divyang Shah (Asso. Prof.)

5. Post Intubation vocal cord granuloma : case report [**International Journal of current medical and applied science (IJCMAAS) volume 13, issue 1, December 2016**]

Author's Name: Dr. Bina Patel (Asst. Prof.)
Dr. Pragna Vachhrajani (Prof. & Head)
Dr. Divyang Shah (Asso. Prof.)

6. 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**]

Author's Name: Dr. Pratiti (Ex Resident)
Dr. Malti J. Pandya (Asso. Prof.)
Dr. Pooja Patwa (Ex Resident)

7. Lumbar plexus block for post- Operative Analgesia following lower limb Orthopaedic Surgery: A Comparison of '3 in 1' and psoas compartment block [**South East Asian Journal of Case Report and review. Issue- May-June-4(3): 1712-1727, 2015**]

Author's Name: Dr. Mohammed Abid Ziyaiddin Chauhan (Ex. Resident)
Dr. Nasrin A. Qureshi (Ex. Resident)
Dr. Divyang V. Shah (Associate Professor)
Dr. Pragna Vachhrajani (Professor and H.O.D)

8. 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**]

Author's Name: Dr. Bina Patel (Assistant Professor)
Dr. Divyang V. Shah (Associate Professor)
Dr. M. Hui (Ex. Resident)
Dr. Dipika Patel (Assistant Professor)
Dr. P. Vachhrajani (Prof. & Head)

9. The clinical effects of combined spinal – epidural anaesthesia versus spinal anaesthesia in patients undergoing major orthopaedic surgery. **(International Journal of Applied Research volume-7, issue 6 June – 2017, 57-59)**

Author's Name: Dr. Dipika Patel (Assistant professor)

Dr. Kalpanaben Desai (Dean and professor)

10. Comparative study of Dexmedetomidine and Fentanyl for Epidural analgesia for lower limb orthopaedic surgeries **(International Journal of sciences and research volume-6, Issue-5, May -2017)**

Author's Name: Dr. Reshma Korat (Sr. Resident)

Dr. Malti Pandya (Associate professor)

Dr. Pinal Patel (Ex resident)

Dr. Pragna Vachhrajani (Prof. & Head)

11. Comparative study of Fascia iliaca compartment block and Three in one block for post operative analgesia in patient undergoing lower limb orthopaedic surgeries **(Indian Journal of pain volume-28 ,Issue-3 , Sept Dec -2014)**

Authors Name: Dr. Malti Pandya (Associate professor)

Dr. Savita Jhanwar (Ex resident)