

## **Santosh Patel - PUBLICATIONS:**

**Submitted:** A Scoping Review of Feedback Features During Clinical Education for Anaesthesia Trainees

### **■ PUBLISHED: Peer review publications.**

#### **Book Chapters:**

- Two Chapters: B Pollard, G Kitchen (Editors). Handbook of clinical anaesthesia, 4<sup>th</sup> Edition, Sep 2017. CRC press (Taylor and Francis Group).

**Santosh Patel** and Tom Wright: Chapter 25 Preoperative assessment pages 549-589 – several sections including: Cardiopulmonary exercise testing, Preoperative assessment – Overview, Preoperative drug administration, Preoperative assessment – Specific surgical populations, Psychiatric illness and drug abuse.

**Santosh Patel** and Alastair Duncan. Chapter 7 Blood pages 197-224 – several sections including: Anaemia, Blood loss and replacement, Disseminated intravascular coagulation, Sickle cell anaemia, Multiple myeloma.

- A chapter in 'Anaesthesia and Perioperative care of high-risk surgical patients', 3<sup>rd</sup> edition, Editor: Ian McConachie, Cambridge University Press; 2014.

**Santosh Patel:** Gastrointestinal surgery Chapter 24 pages 365-86. Chapter contents are – Cricoid pressure and aspiration, Fluid therapy, Anaesthesia and intestinal circulation, Anaesthesia and intestinal anastomosis, Oxygen and surgical site infection, Enhanced recovery.

#### **Editorials**

**Patel S.** Safe spinal anesthesia practices to prevent intrathecal tranexamic acid incidents. Journal of clinical anesthesia 2022;;82:110889.

Cited by 3 as per Google scholar

<https://www.sciencedirect.com/science/article/abs/pii/S0952818022002471?via%3Diuhub>

Lie J; **Patel S:** Ultrasound for obstetric neuraxial anesthetic procedures - practical and useful? J Obstet Anaesth Crit Care 2015;5:49-53

Cited by 15 as per Google Scholar

<https://www.joacc.com/article.asp?issn=2249-4472;year=2015;volume=5;issue=2;spage=49;epage=53;aulast=Lie>

**Patel S**, Kaul T. Fluid therapy during major bowel surgery – Restrictive or Liberal? J of Anesthesiol Clin Pharmacol; 2010; 26: 1-2.

Cited by 4 as per Google Scholar

### **Medical Intelligence Article:**

**Patel S**, Loveridge R: Obstetric neuraxial wrong drug administration errors: A quantitative and qualitative analytical review. Anesth Analg 2015; 121:1570-1577  
DOI: <https://doi.org/10.1213/ANE.0000000000000938>

Cited by 54 as per Google Scholar

(Our research in the article was included in 'What is new in Obstetric Anesthesia : The 2016 Gerard W Ostheimer Lecture' by Philip E Hess published in Anesth Analg 2017; 124:863-871)

(Our work was included in "Survey of Anesthesiology". Patel, Santosh; Loveridge, Robert Obstetric Neuraxial Drug Administration Errors, Survey of Anesthesiology: December 2016 - Volume 60 - Issue 6 - p 250  
doi: 10.1097/01.sa.0000504624.15149.36)

### **Review Articles:**

**Patel S**. A Systematic Review of Antibiotic Administration Incidents Involving Neuraxial Routes: Clinical Analysis, Contributing Factors and Prevention Approaches. Pain Ther. 2025 Jan 10. doi: 10.1007/s40122-024-00701-7. Epub ahead of print. PMID: 39792237. Online ahead of print

<https://rdcu.be/d5U2P> (link for a pdf copy)

Additional 16 pages supplemental file is also published with the article.

**Patel S**: Accidental intrathecal tranexamic acid administrations during spinal anaesthesia and their reporting in India - A Narrative Review'. Int J Pharm Sci & Res 2024; 15(10): 2977-82. doi: 10.13040/IJPSR.0975-8232.15(10).2977-82.

In the article, intrathecal tranexamic acid error database is published. Also, figures showing country-wise and year-wise distribution of errors are published.

**Patel S**. Inadvertent administration of intravenous anesthesia induction agents via the epidural, intrathecal, intracerebroventricular or brachial plexus route – A Narrative Review. Ind J Anaesth 2024; 68:439-446

[https://journals.lww.com/ijaweb/fulltext/2024/68050/inadvertent\\_administration\\_of\\_intravenous.6.aspx](https://journals.lww.com/ijaweb/fulltext/2024/68050/inadvertent_administration_of_intravenous.6.aspx)

In addition, three supplemental files are also published.

Cited by 1 as per Google Scholar

**Patel S.** Role of Reflection in *Education and Practice in Anaesthesia: Purpose, Process, Pitfalls and Promotion*. International Medical Education. 2023; 2(4):262-275. <https://doi.org/10.3390/ime2040025>

One supplemental file is also published with the article.

Cited by 3 as per Google Scholar

**Patel S.** Tranexamic acid-associated intrathecal toxicity during spinal anaesthesia. A narrative review of 22 recent reports. European J of Anaesthesiology 2023; 40: 334-342.

In addition, three supplemental files (13 pages) are also published (literature search strategy – 1 page, Clinical case analysis table -11pages, Human factors 1 page).

[https://journals.lww.com/ejanaesthesiology/Abstract/9900/Tranexamic\\_acid\\_associated\\_intrathecal\\_toxicity.70.aspx](https://journals.lww.com/ejanaesthesiology/Abstract/9900/Tranexamic_acid_associated_intrathecal_toxicity.70.aspx)

Cited by 15 as per Google Scholar

**Patel S.** Cardiovascular drug administration errors during neuraxial anesthesia or analgesia—A narrative review. Journal of Cardiothoracic and Vascular Anesthesia 2023; 37: 291-298 <https://doi.org/10.1053/j.jvca.2022.10.016>

In addition, three supplemental files (16 pages) are also published (literature search strategy – 3 pages, HFACS categories table 1 page, Clinical case analysis table -12 pages)

<https://www.sciencedirect.com/science/article/abs/pii/S1053077022007686>  
[https://www.jcvaonline.com/article/S1053-0770\(22\)00768-6/fulltext](https://www.jcvaonline.com/article/S1053-0770(22)00768-6/fulltext)

Cited by 13

**Patel S, Dexter F.** Narrative review of neuraxial potassium chloride administration errors: clinical features, human factors, and prevention measures. *Regional Anesthesia & Pain Medicine* 2021; 46: 904-908 doi: 10.1136/rapm-2021-102933

In addition, two supplemental files (19 pages) are also published (search strategy – 6 pages, clinical case analysis table – 13 pages)

<https://rapm.bmj.com/content/46/10/904.abstract>

Cited by 8 as per Google scholar

**Patel S** and Ducan A. Anaesthesia and intestinal anastomosis. BJA education 2021; issue 11: P433-443

[https://www.bjaed.org/article/S2058-5349\(21\)00079-2/fulltext](https://www.bjaed.org/article/S2058-5349(21)00079-2/fulltext)

Cited by 1

**Patel, S.** Erroneous neuraxial administration of neuromuscular blocking drugs. European Journal of Anaesthesiology 2020; 37: 857-863

[https://journals.lww.com/ejanaesthesiology/fulltext/2020/10000/erroneous\\_neuraxial\\_administration\\_of.5.aspx](https://journals.lww.com/ejanaesthesiology/fulltext/2020/10000/erroneous_neuraxial_administration_of.5.aspx)

Cited by 8 as per Google scholar.

**Patel S**, B Robertson B, McConachie I. Catastrophic drug errors involving tranexamic acid administered during spinal anaesthesia. Anaesthesia. 2019; 74: 904-14 <https://onlinelibrary.wiley.com/doi/abs/10.1111/anae.14662>

- Cited by 82 as per Google scholar
- This article is accompanied by an editorial – A Palanisamy and S M Kinsella: Spinal tranexamic acid – a new killer in town. Anaesthesia 2019; 74: 831-3 <https://onlinelibrary.wiley.com/doi/10.1111/anae.14632>)
- The article was selected as one of the top 10 articles for 2019 for ‘Anaesthesia’ journal. <https://associationofanaesthetists-publications.onlinelibrary.wiley.com/hub/journal/13652044/homepage/top10-2019>
- The article has a high **Altmetric Score**.
- The article was a topic for publication in ‘Anesthesiology News’ June, 2019. <https://www.anesthesiologynews.com/Clinical-Anesthesiology/Article/06-19/Spinal-Administration-of-Tranexamic-Acid-Catastrophic-and-Avoidable/55134>
- The article was used by Institute for Safe Medication Practices, USA to include intrathecal tranexamic acid as one of the top 10 hazards to avoid for 2020. <https://www.ismp.org/resources/start-new-year-right-preventing-these-top-10-medication-errors-and-hazards>
- The article was Editor’s pick for June 2020 issue of Obstetric Anesthesia Digest (Patel, S.; Robertson, B.; McConachie, I. Catastrophic Drug Errors Involving Tranexamic Acid Administered During Spinal Anesthesia, Obstetric Anesthesia Digest: June 2020 - Volume 40 - Issue 2 - p 57-58 [https://journals.lww.com/obstetricanesthesia/Abstract/2020/06000/Catastrophic\\_Drug\\_Errors\\_Involving\\_Tranexamic\\_Acid.5.aspx?context=LatestArticles](https://journals.lww.com/obstetricanesthesia/Abstract/2020/06000/Catastrophic_Drug_Errors_Involving_Tranexamic_Acid.5.aspx?context=LatestArticles) doi: 10.1097/01.aoa.0000661304.69019.e3)

- It is referenced in an alert by World health organization  
<https://www.who.int/news/item/16-03-2022-risk-of-medication-errors-with-tranexamic-acid-injection-resulting-in-inadvertent-intrathecal-injection>
- Institute for Safe Medication Practices, Canada used the article and referenced in newsletter alert published in May 2022.  
<https://ismpcanada.ca/bulletin/alert-substitution-error-with-tranexamic-acid-during-spinal...>
- The article is cited in national safety alerts issued by several countries

Duncan A, **Patel S**. Neurological complications in obstetric regional anaesthetic practice. J Obstet Anaesth Crit Care; 2016: 6:3-10.

<https://joacc.com/article.asp?issn=2249-4472;year=2016;volume=6;issue=1;spage=3;epage=10;aulast=Duncan>

Cited by 20 as per Google Scholar

Loveridge R, **Patel S**. Systemic non-opioid adjuvant analgesics: Their role in acute postoperative pain in adults. Trends Anaesth Crit Care; 2014: 4:10-18

<https://www.sciencedirect.com/science/article/abs/pii/S2210844013001305?via%3Dihub>

The image from the article was chosen for cover image of the issue.

Cited by 20 as per Google Scholar

**Patel S**. Understanding intestinal circulation – Many barriers, many unknowns. Trends Anaesth Crit Care; 2013; 3: 302-309

With this article an audio slide presentation is also published.

<http://www.sciencedirect.com/science/article/pii/S2210844013001056>

**Patel S**, Kitchen G and Barrie J. Personal development plans – Practical pitfalls. Trends Anaesth Crit Care; 2013; 3: 220-223.

<https://www.sciencedirect.com/science/article/abs/pii/S2210844013000592>

Cited by 15 as per Google Scholar

The image from the article was chosen for cover image of the issue.

**Patel S**, J. Lutz, U. Panchgula, S. Bansal. Anesthesia and perioperative management of colorectal surgical patients – Specific issues (Part 2). J of Anaesthesiol Clin Pharmacol 2012; 28: 304-313.

<https://pubmed.ncbi.nlm.nih.gov/22869934/>

Cited by 23 as per Google Scholar

**Patel S**, J. Lutz, U. Panchgula, S. Bansal. Anesthesia and perioperative management of colorectal surgical patients – A clinical review (Part 1). J of Anaesthesiol Clin Pharmacol 2012; 28:162-171

<https://pubmed.ncbi.nlm.nih.gov/22557737/>

Cited by 38 as per Google Scholar

**Patel S**. Sodium balance – An integrated physiological model and novel approach. Saudi J Kidney Dis Transpl; 20: 560-569, 2009.

[https://journals.lww.com/sjkd/Fulltext/2009/20040/Sodium\\_Balance\\_An\\_Integrated\\_Physiological\\_Model.2.aspx](https://journals.lww.com/sjkd/Fulltext/2009/20040/Sodium_Balance_An_Integrated_Physiological_Model.2.aspx)

Cited by 40 as per Google Scholar

**Patel S**, Souter M. Equipment-related electrocardiographic artifacts – Causes, Characteristics, Consequences and Correction. Anesthesiology, 108; 138-148, 2008.

<https://pubs.asahq.org/anesthesiology/article/108/1/138/7669/Equipment-related-Electrocardiographic>

Cited by 107 as per Google Scholar

With this review article additional 18 pages web based ([www.anesthesiology.org](http://www.anesthesiology.org)) enhancement of 'Equipment-related electrocardiographic artifacts (1968-2006)' is also published.

**Patel S**, S Bhananker S: Anesthesia and Analgesia for Pediatric Burns. Current Reviews; 28:27-37, 2007. (CME article with 10 MCQs)

### **Original Articles:**

Pearse R, Moreno R, Bauer P on behalf of EUSoS group. Mortality after surgery in Europe: A 7 day cohort study. Lancet, 380:1059-65, 2012  
(European surgical outcome study (EUSoS) was a multicentre study. I was the lead investigator at Royal Oldham Hospital).

Cited by > 1000 as per Google Scholar

**Patel S**, S Subramanian, Swarup Patel, Singh RP et al. Non-Obstetric surgery in pregnant patients – Our experience at Ibri Hospital. Oman Medical Journal, 17:20-23, 2001.

**Patel S**, Calla S: Use of Esmolol and Sodium nitroprusside for control of post coronary artery bypass grafting hypertension. J of Anaesth. Clin. Pharmaol.; 13:151-154, 1997.

### **Case reports:**

**Patel S.** Aspiration of Dental Metallic Crown in a Pregnant Patient with Eclampsia: Case Report and Literature Review. Journal of Obstetric Anaesthesia and Critical Care 2025; 15:62-65. DOI: 10.4103/JOACC.JOACC\_28\_24

[https://journals.lww.com/joac/fulltext/2025/01000/aspiration\\_of\\_dental\\_metallic\\_crown\\_in\\_a\\_pregnant.11.aspx](https://journals.lww.com/joac/fulltext/2025/01000/aspiration_of_dental_metallic_crown_in_a_pregnant.11.aspx)

**Patel S.** Electrocardiographic artifacts during electroconvulsive therapy. J Electocardiol 42; 307-309, 2009. DOI: [10.1016/j.jelectrocard.2009.02.003](https://doi.org/10.1016/j.jelectrocard.2009.02.003)

Cited by 1 as per Google Scholar

**Patel S.** Electrocardiograph artifact mimicking ventricular tachycardia during high frequency oscillatory ventilation. Ame J of Crit Care, 15:310-311, 2006. [doi.org/10.4037/ajcc2006.15.3.310](https://doi.org/10.4037/ajcc2006.15.3.310)

Cited by 18 as per Google Scholar

**Patel S**, Singh RP, S. Rao. Repeated severe painful crises in a patient with sickle cell disease. Indian J. of Crit Care Medicine, 4:100-102, 2000.

S. Ramakrishna, V. Ingle, **Patel S** et al. Reversible cardio-pulmonary changes due to adeno-tonsillar hypertrophy. International J. of Pediatric Otorhinolaryngology, 53: 203-206, 2000. DOI: [10.1016/s0165-5876\(00\)00389-x](https://doi.org/10.1016/s0165-5876(00)00389-x)

Cited by 54 as per Google Scholar

**Patel S.** Emergency caesarean section in a patient with repaired tetralogy of Fallot. Indian J.of Anaesth., 43:67-69, 1999.

**Patel S**, Malhotra SK. Anaesthetic considerations in a patient with Wolff- Parkinson-White syndrome. Annals of Cardiac Anaesthesia, 2:44-47, 1999.

Edicula G, **Patel S**, Ramakrishna S et al. Reversible severe pulmonary hypertension following adeno-tonsillar hypertrophy. Oman Med J 15: 26-28, 1998.

**Patel S**, P. Ponnurangam, M. Kishore. Tay-sachs disease: Anaesthetic implications. Oman Med J 14:37-39, 1998.

**Patel S:** Emergency mitral valve replacement during second trimester of pregnancy. J. of Anaesth Clin. Pharmacol.; 13:151-154, 1997

**Patel S.** Anaesthesia for intracranial surgery in the presence of Eisenmenger's syndrome. J of Anaesth Clin Pharmacol, 12: 155-157, 1996.

**Patel S.** Vasospasm following intracranial aneurysm surgery. J of Anesthesiol Clin Pharmacol, 12: 139-141, 1996

Neema PK, **Patel S**, Waikar HD. Anticonvulsants and non-depolarizing muscle relaxants: A drug interaction. J. of Anaesthesiology and Clinical Pharmacology, 11: 69-71, 1995.

### **Research Letter:**

**Patel S.** Accidental Epidural Infusion of Acetaminophen (Paracetamol) During Acute Postoperative and Labor Pain Management. Anesthesia & Analgesia  
([10.1213/ANE.00000000000007287](https://doi.org/10.1213/ANE.00000000000007287), November 06, 2024. | DOI:  
[10.1213/ANE.00000000000007287](https://doi.org/10.1213/ANE.00000000000007287) (***Published ahead of print***)  
Link - [Anesthesia & Analgesia](#)

In addition, one supplemental file is also published.

Cited by 1 as per Google Scholar.

### **Correspondence / Letters to editor:**

**Patel S**, Bhatia, K. Prevalence and Prevention of Medication Errors in Obstetric Anesthesia Practice. Journal of Obstetric Anaesthesia and Critical Care 2025;15: 85-86, Jan–Jun 2025. | DOI: [10.4103/JOACC.JOACC\\_60\\_24](https://doi.org/10.4103/JOACC.JOACC_60_24)

[https://journals.lww.com/joac/fulltext/2025/01000/prevalence\\_and\\_prevention\\_of\\_medication\\_errors\\_in.20.aspx](https://journals.lww.com/joac/fulltext/2025/01000/prevalence_and_prevention_of_medication_errors_in.20.aspx)

**Patel S.** Accidental infusion of tranexamic acid via a thoracic epidural catheter. Canadian Journal of anesthesia 2023; 70: 915-916.

<https://link.springer.com/article/10.1007/s12630-023-02435-0>

Cited by 3

The above letter is accompanied with-

1. An Editorial: [Preventing neuraxial administration of tranexamic acid](https://link.springer.com/article/10.1007/s12630-023-02434-1)  
<https://link.springer.com/article/10.1007/s12630-023-02434-1>
2. Editor in Chief (EIC)'s notes: [One week in the life of my anesthetic cart's medication drawer or: drug errors—what \(else\) will it take to change the system?](https://link.springer.com/article/10.1007/s12630-023-02437-y)  
<https://link.springer.com/article/10.1007/s12630-023-02437-y>

**Patel S.** Epidural and intrathecal magnesium sulphate administration errors – clinical features and contributory factors. British J of Anaesthesia 2023; 130: E35-40

<https://www.sciencedirect.com/science/article/abs/pii/S0007091222007401>  
[https://www.bjanaesthesia.org/article/S0007-0912\(22\)00740-1/fulltext](https://www.bjanaesthesia.org/article/S0007-0912(22)00740-1/fulltext)



I reviewed magnesium sulphate administration errors via neuraxial route.

Cited by 2 as per Google Scholar

Markey T, Bhatia K, **Patel S**. Accidental oral administration of Monsel's solution during caesarean delivery. *International Journal of Obstetric Anesthesia* 2022; 52:103597.

<https://pubmed.ncbi.nlm.nih.gov/36183608/>

A case report of a rare drug error.

Cited by 2 as per Google Scholar

**Patel S**. Tranexamic acid-associated fatal status epilepticus in a paediatric patient. *British Journal of Clinical Pharmacology* 2022; 88: 4657-8.

**Patel S**. Neuraxial and peripheral misconnection events leading to wrong-route medication errors. *Reg Anesth Pain Med*. 2021;48:1116-1117 doi: 10.1136/rapm-2021-102527.

**Patel S**: Artefactual electrocardiographic ST segment depression: less likely due to electrocautery. *Ann Card Anaesth* 2012; 15:85-6

<https://pubmed.ncbi.nlm.nih.gov/22234030/>

Cited by 2 as per Google Scholar

**Patel S**. Anaesthetic agents and vasopressors interaction on gastrointestinal microcirculation and oxygenation. *Br J Anaesth eletter* (October, 2010).

<http://bjaoxfordjournals.org/content/105/4/421>

**Patel S**. Sinus arrest on the electrocardiograph - pseudo or real? *Acta Anaesthesiol Scand* 53: 883; 2009

<https://pubmed.ncbi.nlm.nih.gov/19563573/>

**Patel S**, Souter M. Electocardiographic ST segment depression: confirm, deny or artefact? *Anesthesiology* 109:352, 2008 (Author Reply)

<https://doi.org/10.1097/ALN.0b013e31817f8cbd>

**Patel S**, Bhananker S. Perioperative Paediatric Cardiac Arrest Study – A Case of duplication? *Brit J of Anaesthesia* (e-letter, March 2007).

<http://bjaoxfordjournals.org:80/cgi/eletters/96/5/569#1694>

**Patel S**, Finbar O'Neill: (Feedback) in response to 'Catheter related blood stream infection'. (October, 2005, *BJA-Continuing Education in Anaesthesia, Critical Care and Pain*)

**Patel S**, Turner G: Aspiration and laryngeal mask airway. *Brit J Anaesth*, 94: 546, 2005. <https://doi.org/10.1093/bja/aei527>

Cited by 3 as per Google scholar

**Patel S.** How comparable are Primary FRCA London and Primary FCA Dublin? RCoA Bulletin 29; January 2005:1478-9.

**Patel S.** Anaesthesia for laparoscopic cholecystectomy in a patient with Eisenmenger's syndrome. Brit J. Anaes., 81:297, 1998

**Patel S.** Management of coronary artery fistula in a child. J Anesth Clin Pharmacol; 14:197-198, 1998.

Calla S, **Patel S**, Shastri N, Shah D. Occipital alopecia after cardiac surgery. Canadian J. Anaesthesia, 43:1180-1181, 1996.  
<https://pubmed.ncbi.nlm.nih.gov/8922779/>

Cited by 6 as per Google Scholar.

### **Abstracts in Journals:**

**Patel S.** Inadvertent neuraxial antibiotic administration incidents - A review of the literature. Anaesthesia 2023; 78 (Suppl. 3): 28 **[For oral presentation]**.  
<https://associationofanaesthetists-publications.onlinelibrary.wiley.com/doi/epdf/10.1111/anae.16112>

**Patel S.** Review of neuraxial paracetamol, nonsteroidal anti-inflammatory analgesics and antiemetics errors. Anaesthesia 2023; 78 (Suppl. 3):102 (Shortlisted for moderated poster discussion).  
<https://associationofanaesthetists-publications.onlinelibrary.wiley.com/doi/epdf/10.1111/anae.16112>

**Patel S.** Intrathecal tranexamic acid incidents in India – A problem of look-alike ampoule or a physician's incorrect visual perception? Anaesthesia 2023; 78 (Suppl. 3): 103 (Shortlisted for moderated poster discussion).  
<https://associationofanaesthetists-publications.onlinelibrary.wiley.com/doi/epdf/10.1111/anae.16112>

Markey T, Bhatia K, **Patel s.** Accidental oral administration of Monsel's solution during caesarean delivery. Int J Obstet Anaesth 2022; 50S: 42

**Patel S:** Avoidable intrathecal tranexamic acid tragedies: 2019–2021. Anaesthesia 2021;76 (Suppl 6):17

Cited by 1

**Patel S**, Paskaleva R, Agrawal D. 185 neuraxial drug administration errors from 40 countries – practical issues and human factors. Regional Anesthesia & Pain Medicine 2021;**70**:A21-A23.

[https://rapm.bmj.com/content/70/Suppl\\_1/A21.2](https://rapm.bmj.com/content/70/Suppl_1/A21.2)

**Patel S**, Dexter F. Neuraxial cardiovascular accidental drug administration errors review. Regional Anesthesia & Pain Medicine 2021;**70**:A24-A25.

[https://rapm.bmj.com/content/70/Suppl\\_1/A24](https://rapm.bmj.com/content/70/Suppl_1/A24)

Cited by 2

**Patel S** and Daxter F: Case Series Of 28 Neuraxial Kcl Administrations Shows Half The Errors Are Not Preventable By NrFit. [www.asaabstracts.com](http://www.asaabstracts.com) A2042, 2020

<http://www.asaabstracts.com/strands/asaabstracts/abstract.htm?year=2020&index=18&absnum=4742>

Cited by 1 as per Google Scholar.

**Patel S**. Morbidity And Mortality Associated With Drug Administration Errors During Spinal Or Epidural Anesthesia Or Analgesia. [www.asaabstracts.com](http://www.asaabstracts.com) A2045, 2020

Cited by 1 as per Google Scholar.

**Patel S and Robertson B**. Survey of Practice of Enhanced Recovery for Colorectal Surgery. European J of Anaesthesiology 2019; 36 (esupplement 57):40

Roberson B and **Patel S**. Survey of use of spinals for elective colorectal surgery, and the doses of spinally administered opioids and local anaesthetic. European J of Anaesthesiology 2019; 36 (esupplement 57):77

**Patel S**, Robertson B. Use of non-opioid adjuvant analgesia for colorectal surgery. European J of Anaesthesiology 2017; 34 (esupplement 55):227

Duncan A, Vickers G and **Patel S**. Conversion of spinal to general anaesthesia for caesarean section. Anaesthesia 2014; 69 (Suppl 4):54

**Patel S**. Teaching methods for airway management skills. Anesth Analg 2014; 118: S-109

**Patel S**. Drug administration errors during epidural or spinal anesthesia or analgesia. Anesth Analg 2012; 113:S-197

(This abstract was selected as the best abstract in 'patient safety and education' category and was selected for **Kosaka Abstract Award** competition at the 86<sup>th</sup> International Anesthesia Research Society meeting held in Boston, USA in May, 2012)

**Patel S**, Patel S. Epidural and spinal drug injection errors during obstetric anesthesia and analgesia (1981-2011). Anesth Analg 2012; 113:S-329

**Patel S**. Abdominal etiology for mimicked ST segment elevation myocardial infarction on the electrocardiograph. Anesth Analg 2012; 113: S-155

Uwubanmwun N, **Patel S**, et al: A 2 year review of obstetric anaesthesia outpatient clinic for high risk obstetric patients. Anesthesiology 2008; 109 A1118

**Patel S**, Knight S, Owen T. Critical incidents / near misses in acute intensive care unit. Anesth Analg, 104, S-59, 2007.

**Patel S**, Vasu T, Kakkar M. Practice and preferences for regional anesthesia and analgesia techniques among anesthesiologists, Anesth Analg, 104, S-260, 2007.

**Patel S**, O'Neill F: Removal of central venous catheters due to suspected catheter-related infection. Can J Anesth 2007, 53: 44445

**Patel S**: Transcutaneous nerve stimulation induced artifacts on the electrocardiograph. Can J Anesth 2007; 54: 44444

**Patel S**, Hogg R, Turner G: Emergency nephrectomy due to ruptured renal angiomyolipoma in a patient with pulmonary lymphangiolipomatosis. Can J Anesth 2007, 54: 44526

#### **Others:**

**ISMP Canada Guideline:** Institute for safe medication practices (Canada): Substitution errors with tranexamic acid during spinal anesthesia. ISMP Canada Safety Bulletin 2022; Issue 6: 1-5.  
<https://ismpcanada.ca/bulletin/alert-substitution-error-with-tranexamic-acid-during-spinal-anesthesia/>

#### **Book Review:**

**Patel S**, R Morgan R: Book review for 'Principles and Practice of Emergency Neurology' by eds. S M Shah and K. M Kelly. Current Anesthesia and Critical Care, 17:245-246, 2006.

#### **Audit recipe:**

Leeham J, **Patel S**. 4.8 Anaesthetic emergencies: Drugs and Equipment Preparedness (Raising the standards – A compendium of audit recipes, 3<sup>rd</sup> edition, 2012, The Royal College of Anaesthetists.