

CURRICULUM VITAE

11 September, 2018

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Address and Telephone

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Current Position

Assoc Professor [Regional service line] Seattle Children's Hospital.

Director, Pediatric regional anesthesia faculty fellowship.

Education

Graduate:

August 1986 - December 1991, Bachelor of Medicine and Bachelor of Surgery. Armed Forces Medical College, Pune, India,

ECFMG number: 07056831 [certified on August 28, 2013]

USMLE Step 3: November 18, 2013

Postgraduate Training

July 1996- June 1999, MD Anesthesiology

Armed Forces Medical College, Pune, India.

DNB [Anaesthesiology] – Diplomate National Board [1999]

18 December 1999 to 17 February 2003 – Senior Resident. All India Institute of Medical Sciences [AIIMS], New Delhi, India.

Board Certification

MBBS [1991], University of Pune. MD [1999], University of Pune. DNB [1999], University of Pune.

Current Licenses to practice

Delhi Medical council [18560]

Washington state department of health [TR 60506517]

Membership for Professional Organizations

Society of Pediatric Anesthesiologists [SPA]

American Society of Regional Anesthesia [ASRA]

Academy of Regional Anesthesiologists of India [AORA]

Teaching Responsibilities

- July 1, 2017 onwards. Director Pediatric regional anesthesia faculty fellowship program.
- 2015 onwards. Faculty, Pediatric Anesthesiology, Seattle Childrens Hospital, UW, Seattle.

Lectures [local]

- PBLD for Pediatric anesthesia fellows . April 2018. Mitochondrial and metabolic disorder in pediatrics .
- Resident mock oral exam session. April 3, 2018.
- In operating room teaching for Anesthesiology residents/ anesthesiology fellows / dental residents / PICU fellows / emergency medicine fellows.
- Developed & taught LAST simulation CA1 [October 10 , 2018]
- Educational video – peripheral nerve catheter care for parents .

CME/ Workshops

- PBLD moderator : SPA March 2019, Houston Texas
- PBLD moderator – SPA 2018, Phoenix, Arizona . ‘Between a rock and a hard place.’
- PBLD moderator – SPA 2017, Austin , Texas. ‘The floppy infant conundrum – mitochondrial vs muscular myopathy.
- Faculty – AORA 2016, Secundrabad, India. September 22-25, 2016. Spine workshop.
- Faculty – AORA 2014, New Delhi, India . September 19-21, 2014. Workshop

faculty for hands on USGRA workshop.

- Faculty for the Airway workshop at the International Assembly for Pediatric Anesthesia [IAPA], October 10th - 12th 2012, Washington DC, USA.

Resident / Fellow Mentorship

1. Stephen Koo – Resident UW
2. Victoria Kogan - Information Intervention Effect on Postoperative Analgesia Consumption in Idiopathic Scoliosis Patients after Spinal Fusion Surgery. Data presented at SPA, Autumn 2011. [SLCH, 2011]
3. Thilaka Muthiah -To evaluate the efficacy of Magnesium as an adjuvant to 0.25% Bupivacaine in three in one blocks for patients undergoing arthroscopic knee surgery. [2010, AIIMS]
4. Dipal Shah- To study the efficacy of clonidine v/s dexamethasone added 1.5% Lignocaine for infraclavicular brachial plexus block: a prospective randomized double blind placebo controlled study. [2009, AIIMS]
5. Puneet Khanna - Comparison of ketorolac, diltiazem and dexamethasone as adjuvants to lignocaine in IVRA {Intravenous Regional Anesthesia}. 2008, AIIMS.
6. Somnath Bose - Study of magnesium, ketamine, ketorolac as adjuvants to lidocaine in intravenous regional anaesthesia.2006, AIIMS.

Product development

Essential regional anesthesia application. The app incorporates a regional anesthesia primer, a patient physician messaging interface and a data gathering tool. Awaiting beta testing.

Editorial responsibilities

ASRA -pediatric SIG newsletter editor

Special national responsibilities

ASRA -pediatric SIG education committee member

SPPM – education committee member

Special local responsibilities

Director, Pediatric regional anesthesia faculty fellowship program.

Member, UW Continuous Professional Improvement committee.

Research Funding

AEF grant FY 2019.

Research Projects

None

Bibliography

Peer reviewed original papers

1. [Complications in Pediatric Regional Anesthesia: An Analysis of More than 100,000 Blocks from the Pediatric Regional Anesthesia Network.](#)
Walker BJ, Long JB, Sathyamoorthy M, Birstler J, Wolf C, Bosenberg AT, Flack SH, Krane EJ, Sethna NF, Suresh S, Taenzer AH, Polaner DM, Martin L, Anderson C, Sunder R, Adams T, Martin L, Pankovich M, Sawardekar A, Birmingham P, Marcelino R, Ramarmurthi RJ, Szmuk P, Ungar GK, Lozano S, Boretsky K, Jain R, Matuszczak M, Petersen TR, Dillow J, Power R, Nguyen K, Lee BH, Chan L, Pineda J, Hutchins J, Mendoza K, Spisak K, Shah A, DelPizzo K, Dong N, Yalamanchili V, Venable C, Williams CA, Chaudahari R, Ohkawa S, Usljebrka H, Bhalla T, Vanzillotta PP, Apiliogullari S, Franklin AD, Ando A, Pestieau SR, Wright C, Rosenbloom J, Anderson T; Pediatric Regional Anesthesia Network Investigators.
Anesthesiology. 2018 Oct;129(4):721-732. doi: 10.1097/ALN.0000000000002372.
2. Sunder, R. (2018).Mini PBLD 19 Neuromuscular Disorders. Anesthesia Education
Toolbox: https://collectedmed.com/index.php/article/article/article_display/14/6760
3. Muthiah T, Arora MK, Trikha A, **Sunder RA**, Prasad G, Singh PM. Efficacy of magnesium as an adjuvant to bupivacaine in 3-in-1 nerve block for arthroscopic

anterior cruciate ligament repair. Indian J Anaesth. 2016 Jul;60(7):491-5.

4. Shah DM, Arora M, Trikha A, Prasad G, **Sunder R A**, Kotwal P, Singh PM. Comparison of dexamethasone and clonidine as an adjuvant to 1.5% lignocaine with adrenaline in infraclavicular brachial plexus block for upper limb surgeries. J Anaesthesiol Clin Pharmacol. 2015, Jul- Sep: 31[3]:354-9.
5. Khanna P, Mohan VK, **Sunder RA**. Efficacy of diltiazem as an adjunct to lignocaine in intravenous regional anesthesia. Saudi J Anaesth. 2013 Jul; 7[3]: 305-9.
6. Robert P Moore, Tracy Wester, **Rani Sunder**, Charles Schrock, Tae S Park. Peri-operative pain management in children with cerebral palsy: Comparative efficacy of epidural vs systemic analgesia protocols. [Paedtr Anaesth 2013, 23: 720 -725]
7. **Sunder RA**, Sinha R, Agarwal A, Perumal BC, Paneerselvam SR. Comparison of Cobra perilaryngeal airway (CobraPLATM) with flexible laryngeal mask airway in terms of device stability and ventilation characteristics in pediatric ophthalmic surgery. Anaesthesiol Clin Pharmacol. 2012 Jul;28(3):322-5.
8. Toshniwal G, **Sunder R**, Thomas R, Dureja GP. Management of complex regional pain syndrome type I in upper extremity – evaluation of continuous stellate ganglion block and continuous infraclavicular brachial plexus block – a pilot study. Pain Med. 2012 Jan;13(1):96-106.
9. Gandhi R, **Sunder R**. Postoperative analgesic efficacy of single high dose and low dose rectal acetaminophen in pediatric ophthalmic surgery. J Anaesthesiol Clin Pharmacol. 2012 Oct; 28(4):460-4. **R A Sunder**, C Joshi. A technique to improve the safety of the laryngeal mask airway when used in lacrimal duct surgery. Pediatric Anaesthesia. 2006; 16: 130-133.
10. V Darlong, D Shende, MS Subramanyam, **Sunder R**, A Naik. Oral Ketamine or Midazolam or Low Dose Combination for premedication in children. Anaesth Intensive Care 2004; 32:246-249.
11. **Rani A Sunder**, Gokul R Toshniwal , G P Dureja. Ketamine as an adjuvant in sympathetic blocks for management of Central sensitization following peripheral nerve injury. J Brachial Plex Peripher Nerve Inj. 2008 Oct 25; 3: 2

Peer reviewed case reports

12. Ray BR, Baidya DK, Gregory DM, **Sunder R**. Intraoperative neurological event during cesarean section under spinal anesthesia with fentanyl and bupivacaine: Case report and review of literature. J Anaesthesiol Clin Pharmacol. 2012 Jul;28(3):374-7. doi: 10.4103/0970- 9185.98349.PMID:22869950
13. **Sunder RA**, Haile DT, Farrell PT, Sharma A, Davidson A. Pediatric airway management: current practices and future directions. Paediatr Anaesth. 2012 Oct;22(10):1008-15

8. Garg R, **Sunder RA**. Valproate-induced hyperammonemia and seizures: perioperative concerns. *Paediatr Anaesth*. 2011 Oct;21(10):1084-5.
9. Khanna P, Garg R, **Sunder RA**. Rosai-Dorfman disease--perianaesthetic concerns. *Acta Anaesthesiol Belg*. 2010;61(1):1-3.
10. Garg R, Khanna P, **Sunder RA**. Exsanguination for intravenous regional anesthesia. *J Clin Anesth*. 2009 Jun;21(4):306-7.
11. Sinha R, **Sunder R** . Retiring reusable laryngeal mask airways after 40: an anaesthetist's dilemma. *Acta Anaesthesiol Scand*. 2009 May;53(5):687-8.
12. **SunderRA**,GargR.,PriyaR,Chanderlekha.Hyperkalemia:pitfalls of prolonged captopril therapy in an infant. *Pediatric Anesthesia*., 2009; (19); 404-405.
13. **SunderRA**,ChakravartyC,HandaKK,RajeshwariS. Role of operating laryngoscope in a failed intubation scenario. *Pediatric Anesthesia*, 2009; (19), 274- 275.
14. Sinha R, **Sunder R**. Comment on article 'A cohort evaluation of the pediatric ProSeal laryngeal mask airway in 100 children' by Kelly F, Sale S, Bayley G, Cook T, Stoddart P and White M. *Paediatr Anaesth*. 2009 Feb;19(2):172.
15. **Sunder R A**, Manikandan R, Mritunjay Kumar. Airway management of a neonate with a rare palatoglossal synechia. *Pediatric Anesthesia*, October 2008; 18[10]: 980- 982.
16. Abraham Sonny, **Rani Sunder**, Anjan Trikha. Botulinium toxin in the treatment of Frey Syndrome - a brief report. *Indian J Anaesth*, 2008; 52[2]: 202-204.
17. **Sunder RA**, Dureja GP, Toshniwal GR. Role of Ketamine in 'vicarious pain.' *Acta Anaesthesiol Scand* Apr 2008; 52[4]: 571.
18. **Sunder RA**, Handa KK. Airway management of an infant with extensive naso-oral cicatrisation causing severe upper airway obstruction. *Paedtr Anaesth* 2007Aug; 179(8): 810-11.
19. **Sunder RA**, Toshniwal G, Lakhe ST. "Torted" reservoir bag: an unusual cause for 'cannot ventilate' situation. *Anaesth Intensive Care* 2007; 35:309-310.

20. **Sunder RA.** Obesity and anesthesia. J of Postgraduate Medical Education , Training & Research. Vol 2 [5], Sept –Oct 2007; 58-64.
21. Jindal L, Gupta AK, Mumtaz F, **Sunder R**, Hemal AK. Laparoscopic nephroplication and nephropexy as an adjunct to pyeloplasty in UPJO with giant hydronephrosis. IntUrolNephrol.2006;38(3-4):443-6.
22. **Sunder RA**, A Agarwal. Anesthetic management of a patient with orithine transcarbamylase deficiency [OTCD]. Acta Anaesthesiologica Scandinavica 2006; 50(10): 1310-1.
23. **Sunder RA**, M Singh. Pseudohypoparathyroidism: a series of three cases and an unusual presentation of ocular tetany. Anesthesia.2006; 61(4):394-98.
24. **R A Sunder**, G Toshniwal. Tourniquet pain : an atypical presentation. Acta Anaesthesiologica Scandinavica.2006; 50 (4):525-25.
25. **R A Sunder**, Chittaranjan Joshi. Author's reply. Pediatric Anesthesia 2006; 16: 896-97.

Book Chapters

1. Handbook of Pain Management. 2004. Publisher: Elsevier. New Delhi, India. Ed: GP Dureja. Contributed to chapters on Low back pain, Orofacial pain and Post Herpetic Neuralgia.
2. Current opinion in Pain Practice [2006]. Aar graphics. New Delhi, India. Ed : GP Dureja & Tarlika Doctor. Contributor.

Abstracts

1. Bose S, Sunder RA, Rewari V, Saksena R. Study of magnesium, ketamine, ketorolac as adjuvants to lidocaine in intravenous regional anaesthesia. Annual Meeting Abstracts American Society of Anaesthesiologists. 2008 Oct 19.
2. D Shende, Rani Sunder. Comparison of oral midazolam with intranasal midazolam, intranasal fentanyl and combination of intranasal fentanyl-midazolam in children undergoing elective eye surgery. Anesthesia & Analgesia; 94: 2002 S : 250.
3. Divekar DS, Prabhakar T, R Sunder. Role of Nimodepine in head injured. J of Anaesthesiology and Clinical Pharmacology. 1999.15(4):410-10.

4. R A Sunder. Efficacy of single high dose paracetamol in pediatric ophthalmic surgery.
Pain Res Manage, Vol 11, Suppl B , 2006.