

## Arjun Ramesh, M.D.

arjunkramesh@gmail.com, akr2b@virginia.edu  
7039 Currie Farm Dr  
Haymarket, VA 20169  
571-723-7770

### Education

*Cleveland Clinic, Cleveland, OH*

Pain Medicine Fellowship 07/2019 – 06/2020

*Rush University Medical Center, Chicago, IL*

Anesthesiology Residency 07/2016 – 06/2019

General Surgical Internship 07/2015 – 06/2016

*University of Virginia School of Medicine, Charlottesville, VA*

MD 08/2011 – 05/2015

Hook Scholar- Awarded for demonstrated interest and accomplishment in the humanities and bioethics

*University of Virginia College of Arts and Sciences, Charlottesville, VA*

BA Biology, BA Chemistry, Minor in Philosophy 08/2008 - 05/2011

Echols Scholar, College Science Scholar

### Certifications and Licensures

Ohio Medical Licensure 07/2019 - 4/2022

Virginia Medical Licensure 07/2020 - present

ABA Anesthesiology Board Certification 03/2021 - present

ABA Pain Management Board Certification 03/2021 - present

ACLS certification 07/2015 - present

BLS certification 07/2015 - present

### Research Activity

#### Oral Presentations

**Ramesh A**, Froikin F, Moges Y, Buvaendran B. (2019) Transversus Abdominis Plane Block Improves Outcomes and Reduces Discharge Time in an Enhanced Recovery from Anesthesia and Surgery Protocol in Patients Undergoing Laparoscopic Bariatric Surgery. Oral Poster presented at: 44th Annual Regional Anesthesia and Acute Pain Medicine Meeting; Las Vegas, NV.

Ha J, **Ramesh A**, McCarthy R, Mehta N. (2019) Factors Associated with Failed Supraclavicular Nerve Brachial Plexus Nerve Block in Upper Extremity Surgery. Oral Presentation presented at: *ASRA's World Congress on Regional Anesthesia & Pain Medicine; New York City, NY.*

**Ramesh A**, Buvaendran A. (2018). A Case of Long Term Tunneled Retrograde Epidural Catheter for Treatment of Severe Right Lower Extremity Spasm. Oral Presentation presented at: *ASRA's World Congress on Regional Anesthesia & Pain Medicine; New York City, NY.*

**Ramesh A**, Young A. (2018). Perioperative Management Of A Patient On Opioid-Substitution Therapy Undergoing Complex Spine Surgery. Oral Presentation presented at: *Midwest Anesthesia Residents Conference; Cincinnati, OH.*

**Ramesh A**, Lubenow T. (2017). Dorsal Root Ganglion Stimulation for Complex Regional Pain Syndrome. Oral Presentation presented at: *American Society of Anesthesiologists Annual Meeting; Boston, MA.*

**Ramesh A**, Cocoma S. (2017). Hypoglycemic Coma in the Intensive Care Unit Setting. Oral Presentation presented at: *Midwest Anesthesia Residents Conference; Chicago, IL*.

Schmitt P, **Ramesh A**, Liu K. (2014). Papilledema as an Indicator of Shunt Malfunction: An Assessment of the Utility of the Funduscopy Exam in Surgical Decision Making. Oral Presentation presented at: *Neurological Society of the Virginias; Hot Springs, VA*.

### Peer Reviewed Articles/Abstracts

McCarthy RJ, Ivankovich KG, Ramirez EA, Adams AM, **Ramesh AK**, Omotosho PA, Buvanendran A. Association of the addition of a transversus abdominis plane block to an enhanced recovery program with opioid consumption, postoperative antiemetic use, and discharge time in patients undergoing laparoscopic bariatric surgery: a retrospective study. *Regional Anesthesia & Pain Medicine* 2020;45:180-186.

Fezeu F, **Ramesh A**, Melmer PD, Moosa S, Larson PS, Henderson F. Challenges and Solutions for Functional Neurosurgery in Developing Countries. *Cureus*. 2018 Sept; 10(9): e3314.

**Ramesh A**, Young A. Incidence of Clinically Overt Hematoma Formation Following Removal of Adductor Canal Catheters During Concomitant Factor Xa Inhibitor Therapy. *Regional Anesthesia & Pain Medicine*. 42(6):798-799, November/December 2017.

Buell TJ, **Ramesh A**, Ding D, Raper DMS, Chen CJ, Starke RM, Mukherjee S, Crowley RW. Dilated Virchow-Robin Spaces Mimicking a Brainstem Arteriovenous Malformation. *J Neurosci Rural Pract*. 2017 Apr-Jun; 8(2):291-293.

Xu Z, Lee CC, **Ramesh A**, Mueller AC, Sclesinger D, Cohen-Inbar O, Shih HH, Sheehan JP. BRAF V600E mutation and BRAF kinase inhibitors in conjunction with stereotactic radiosurgery for intracranial melanoma metastases. *J Neurosurg*. 2017 Mar; 126(3):726-734.

Cohen-Inbar O, **Ramesh A**, Xu Z, Vance ML, Schlesinger D, Sheehan JP. Gamma knife radiosurgery in patients with persistent acromegaly or Cushing's disease: long-term risk of hypopituitarism. *Clin Endocrinol (Oxf)*. 2016 Apr; 84(4):524-31.

Ngulde SI, Fezeu F, **Ramesh A**, Moosa S, Purow BW, Lopez B, Shiff D, Hussaini IM, Sandabe UK. Improving Brain Tumor Research In Resource-Limited Countries: A Review Of The Literature Focusing On West Africa. *Cureus*. 2015 Nov; 7(11): e372.

Moosa S, Fezeu F, Kesser BW, **Ramesh A**, Sheehan JP. Sudden Unilateral Hearing Loss and Vascular Loop in the Internal Auditory Canal: Case Report and Review of Literature. *Journal of Radiosurgery & SBRT*. 2015; 3(3), p247-255.

Fezeu F, Caruso J, Moosa S, **Ramesh A**, Sheehan J. Gamma Knife Radiosurgery Versus Open Surgery: A Cost Comparative Study. *J Clin Neurosci*. 2015 Jan; 22(1):184-8.

**Ramesh A**, Fezeu F, Fidele B, Ngulde SI, Moosa S, Gress D, Calland J, Petroze R, Young J, Nkusi A, Muneza S. Challenges and Solutions for Traumatic Brain Injury Management in a Resource-Limited Environment: Example of a Public Referral Hospital in Rwanda. *Cureus*. 2014 May; 6(5): 1-15.

**Ramesh A**, Chhabra P, Brayman K. Pancreatic Islet Transplantation in Type 1 Diabetes Mellitus: An Update on Recent Events. *Current Diabetes Reviews*. 2013 Jun; 9(4): 294-311.

### Other Publications

**Ramesh A**, Cheng, J. (2022). Challenges of Pain Management and the Role of Bedside Interventions. In: Souza, D., Kohan, L.R. (eds) *Bedside Pain Management Interventions*. Springer, Cham. [https://doi.org/10.1007/978-3-031-11188-4\\_1](https://doi.org/10.1007/978-3-031-11188-4_1)

**Ramesh A**, Samuel S. Patient with Sepsis. In Abd-Elseyed A, ed. *Guide to the Inpatient Pain Consult*. 2020 Springer.

Kim D, **Ramesh A**, Young A. A 25-Year-Old Cyclist with Persistent Perineal Pain. In Malik T, ed. *Practical Chronic Pain Management: A Case-Based Approach*. 2020 Springer.

**Ramesh A**, Church J, Young A. A 45-Year-Old Female with Persistent Pain After Mastectomy. In Malik T, ed. *Practical Chronic Pain Management: A Case-Based Approach*. 2020 Springer.

**Ramesh A**, Young A. Perioperative Management of a Patient on Chronic Opioid Substitution Therapy Undergoing Complex Spine Surgery. *ISA Today*. 2018 Jan; 50(1): 9-10, 12.

**Ramesh A**. (2012, April 1). Present. *Veritas*.

**Ramesh A**. (2012, April 1). Letter to a Cadaver. *Veritas*.

**Ramesh A**. (2010, January 1). Human Topo IIa ATPase/AMP-PNP Domain Molecular Document-Online Resource. *Biochemistry by Garrett RH and Grisham CM*.

## Work Experience

*University of Virginia, Charlottesville VA* 03/2021 – present  
**Assistant Professor of Medical Education**

*The Spine Care Center, Manassas VA* 08/2020 – present  
**Attending Physician**

*Dorsata, District of Columbia* 06/2014 – 03/2015  
**Clinical Consultant.** Help create and convert clinical guidelines for a mobile clinical tool

*Examcrackers, Virginia* 10/2011 - 01/2012  
**MCAT Instructor.** Created and delivered MCAT prep lectures. Provided one-on-one tutoring as required.

*SleepHeart, Virginia* 03/2010 - 07/2010  
**Medical Assistant.** Helped interpret and score sleep studies. Collected patient vitals and histories. Helped pilot and troubleshoot a new medical records system.

## Miscellaneous

**Top Preceptor** - UVA medical students March 2022

**Co-President/Founder** - Northern Virginia Young Pain Doctor Society