

Application for SNACC Director-at-large 2022 : Entry # 36**Name**

Tumul Chowdhury

Degrees

MBBS, MD, DM, FRCPC

Current Institution

Toronto Western Hospital, University of Toronto, Toronto, Canada

SNACC Member Since:

2011

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Services to SNACC (limit to no more than 5 most significant services):

- Assistant Editor, SNACC Newsletter
- Member, Trainee Engagement Committee, Trainees' Welcome Reception, Neuroanesthesia Quiz
- Member, Clinical Affairs Committee
- Member, Neuroanesthesia Program Relations Committee, ICPNT
- Author and Reviewer, Journal of Neurosurgical Anesthesiology, official journal of SNACC, Contribution to bibliography, Moderator, session and Judge, abstracts for SNACC conference

Relevant leadership experience (limit to no more than 5):

- Vice-chair, Neuroanesthesia Section, Canadian Anesthesiologist's Society
- Co-Director, Neuroanesthesia Program, Toronto Western Hospital, University of Toronto, Toronto, Canada
- Past-President, Manitoba Association of Asian Physicians, Winnipeg, Manitoba, Canada
- Member, Constitutional Committee
- Member, Wellness Committee, Canadian Anesthesiologist's Society

Your commitment to diversity, equity and inclusion (limit 50 words):

Being an IMG physician and having first hand experience of both developing and developed nation health care organizations, my commitment to diversity, equity and inclusion is very solid. These, to me, are not just words; it is the source of my day-to-day practice.

How do you envision advancing SNACC as a Director at Large (limit 150 words):

Application for SNACC Director-at-large 2022 : Entry # 36

With my diverse organizational skills, experience, and passion, I truly believe that I would be able to expand the horizons of SNACC more globally, and could initiate many educational activities for our young trainees worldwide. Being on the executive board at CAS neuro, I can take multiple initiatives between CAS neuro and SNACC, both at educational and administrative levels. Due to my significant experience in global networking, I will be able to increase the SNACC's representation and initiatives among various developing countries. I believe that education is the right for everyone. I would like to make this aspect easier for all anesthesiologists, especially those from developing or underdeveloped countries, who would like to know and pursue neuroanesthesia as a future career but are unable to do so due to a lack of appropriate resources. In addition, I would also like to create and work related to a physician wellness portal at SNACC.

Anything else you would like considered in your candidacy (limit 50 words):

I truly believe in these words... "Whatever you do will be insignificant, but it is very important that you do it" - Mahatma Gandhi

Notes



Admin Notification (ID: 6241f2322e665)

added April 27, 2022 at 10:59 pm

WordPress was unable to send the notification email.



Curriculum Vitae

Tumul Chowdhury, MD, DM, FRCP(C)

A. Date Curriculum Vitae is Prepared: April 27, 2022

B. Biographical Information

Primary Office: Department of Anesthesia and Pain Medicine, Toronto
Western Hospital, University of Health Network, Toronto, Canada
Telephone: (+1)-204-298-5912
Email: Tumul.Chowdhury@uhn.ca

1. EDUCATION

Degrees

2005 M.B.B.S., **1st Honors**. University of Allahabad -M. L. N Medical College- Allahabad, (UP) India including Internship

Postgraduate, Research and Specialty Training

2021-Present

Global Clinical Scholar Research (one year) Training Program, Harvard Medical School

2014 Fellowship – Enhanced Neuro-anesthesiology Research Fellowship, University of Manitoba, Winnipeg, Canada

2013 Fellowship – Neuro-anesthesiology University of Manitoba, Winnipeg, Canada

2011 Senior Residency-Three years, Post Doctoral Course (DM) in Neuroanesthesiology
All India Institute of Medical Sciences, New Delhi, India

2008 Residency-Three years in Anesthesiology, **1st Division**
HNB Garhwal University- Himalayan Institute of Medical Sciences, Dehradun, India

Qualifications, Certifications and Licenses

2019 College of Physician and Surgeon Ontario

2015 Fellow, Royal College of Physicians and Surgeons of Canada (Anesthesiology)

2012 College of Physicians and Surgeons Manitoba

2008 Delhi Medical Council

2. EMPLOYMENT

Current appointments

HOSPITAL

- 2019-present Consultant-Anesthesiology, Department of Anesthesia and Pain Management, Toronto Western Hospital, University Health Network, Toronto, Ontario, Canada
2019-2020 Grace Hospital, Winnipeg Regional Health Authority, Winnipeg, Canada
2014-2020 Consultant-Anesthesiology, Health Sciences Center (Primary) and Seven Oaks General Hospital, Winnipeg Regional Health Authority, Winnipeg, Canada

UNIVERSITY

- 2021-present Clinician Investigator, University Health Network, Toronto, Canada
2020-present Assistant Professor, Department of Anesthesia and Pain Medicine, University of Toronto, Toronto, Canada
2014-2020 Assistant Professor, Department of Anesthesiology and Perioperative Medicine, University of Manitoba, Winnipeg, Canada

3. HONOURS AND CAREER AWARDS

- 2007 1st prize - Thyroid quiz during M.D. (Residency in Anesthesiology)
2002 Paper of Awards (MBBS Second year) - Pharmacology, Pathology and Social and Preventive Medicine
2001 Honors (MBBS Second year) - Forensic medicine
2000 Honors (MBBS First year) - Biochemistry

4. PROFESSIONAL AFFILIATIONS AND ACTIVITIES

Professional Affiliations

- 2015 Canadian Anesthesiologists' Society
2015 Neuroanesthesia section member, Canadian Anesthesiologists' Society
2012 Society for Neuroscience in Anesthesiology and Critical Care
2008 Indian Society of Neuroanaesthesiology and Critical Care

Administrative Activities / Academic Contributions

INTERNATIONAL

- 2022-Present Member, ICPNT Fellowship Review Committee, International Council for Perioperative Neuroscience Training (ICPNT), USA
2021-Present Neuroanesthesia Quiz Team, Society for Neuroscience in Anesthesiology and Critical Care (SNACC), USA
2021-present Member, Neuroanesthesia Program Relations (NPR) committee, International Council for Perioperative Neuroscience Training (ICPNT), USA

CHOWDHURY, TUMUL

- 2020-2021 Lead Reviewer, Neuroanesthesia Fellowship Program (Hamad General Hospital, Qatar), International Council for Perioperative Neuroscience Training
- 2021-2022 Reviewer, Neuroanesthesia Fellowship Program (Henry Ford Hospital, Detroit, Michigan, USA), International Council for Perioperative Neuroscience Training
- 2020-2023 **Assistant Editor**, Newsletter, Society for Neuroscience in Anesthesiology and Critical Care (SNACC), USA
- 2020-2022 Member, Constitution Committee, World Federation of Societies of Anaesthesiologists (WFSA)
- 2019-2020 Reviewer, Neuroanesthesia Fellowship Program (Vancouver General Hospital, Vancouver, Canada), International Council for Perioperative Neuroscience Training
- 2018-2020 Member, Trainee Engagement Committee, Society for Neuroscience in Anesthesiology and Critical Care, USA
- 2018-2020 Member, Clinical Affair Committee, Society for Neuroscience in Anesthesiology and Critical Care
- 2017-2020 Contribution to bibliography formation [Post-craniotomy pain syndromes] for Society for Neuroscience in Anesthesiology and Critical Care

NATIONAL

- 2020-2022 **Vice Chair, Neuroanesthesia Section, Canadian Anesthesiologists' Society**, I will serve for the next four (each 2 years) years as a chair and past chair for the society
- 2020-2021 Member, Award Committee, Canadian Anesthesiologists' Society
- 2020-2022 Member, Physician wellness committee, Canadian Anesthesiologists' Society
- 2019-2020 Secretary and Treasurer, Neuroanesthesia Section, Canadian Anesthesiologists' Society
- 2018-2019 Neuroanesthesia, member-at-large, Canadian Anesthesiologists' Society, one-year term
- 2018-Present Co-editor, Newsletter, Neuroanesthesia section, Canadian Anesthesiologists' Society

LOCAL

- 2021-Present **Co-Director, Neuroanesthesia Program**, Toronto Western Hospital, University of Toronto, Toronto, Canada
- 2018-2020 Auditor, The College of Physicians and Surgeons (CPSM), Manitoba.
- 2018-2020 **President**, Manitoba Association of Asian Physicians (MAAP).
- 2017-2018 Board Member, CME Committee, Manitoba Association of Asian Physicians Winter symposium and Summer Symposium
- 2016-2019 Member, Doctors' Manitoba Mentorship Program

- 2015-2019 In house, Oral Examiner, Residents. Health Sciences Center, Winnipeg Regional Health Authority, Winnipeg, Canada
2015-2019 Mentor for residents and fellows, neuro and grand rounds presentations

Peer Review Activities

Reviewer

- Indian Journal of Anesthesia [June 2012]
Saudi Journal of anesthesia [September 2012]
Journal of Anaesthesiology & Clinical Pharmacology [December 2012]
Journal of the Royal Society of Medicine Short Reports [Jan 2013]
Achieves of Medical Science [(Jan 2013)
Canadian Journal of Neurological Sciences [April 2013]
Journal of Neurosurgical Anesthesiology [May 2013]
Annals of Maxillofacial Surgery [Sep 2013]
BMC Neuroscience [Feb 2014]
The Scientific World Journal [Feb 2014]
Journal of Medical Case Reports [Feb 2014]
Reviewer, Scientific committee, Abstracts for “Juvenes Pro Medicina-2014”. 10th International & 52nd Polish Training & Scientific Conference of Students’ Scientific Societies and Junior Doctors” [Medical University of Lodz - Poland]
Journal of Clinical Anesthesia [March 2014]
European Journal of Obstetrics & Gynecology and Reproductive Biology [April 2014]
Journal of Neuro-anesthesiology and Critical Care [August 2014]
South African Journal of Anaesthesia and Analgesia [May 2015]
Case Reports in Neurological Medicine [March 2016]
Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine [2016]
International Journal of Health & Allied Sciences [2016]
Journal of Translational Medicine [2017]
BMJ open [2017]
Canadian Journal of Anesthesiology [November 2018]
Molecular and Cellular Neuroscience [April 2020]

Editorial Boards

- Academic Editor – Medicine open access [August 2014]
Topic Editor-Frontiers Neurology [2015]
Associate Editor of Intensive Care Medicine and Anesthesiology (specialty section of Frontiers in Medicine) [December, 2016]
International Advisory Board Member of Journal of Neuroanaesthesiology and Critical Care (JNACC), official publication of the Indian Society of Neuroanaesthesiology and Critical Care [April 2017]
Special Editor ‘The Promise and Future of the Trigemino-cardiac Reflex” Brain Sciences [November 2021]

C. Research Funding

1. Grants, Contracts and Clinical Trials

PEER-REVIEWED GRANTS

FUNDED

- 2021-23 **Principal Investigator.** Adam Coules Research Grant, The Gerry and Nancy Pencer Brain Tumor Centre, Princess Margaret Cancer Center, Toronto, Anesthesia induced Brain Cancer Survival (ABC Survival): A randomized feasibility study” Co-Investigators (Venkatraghavan L, Seng D, Jacob B, Ma K), Collaborators (Zadeh G, Mason W, Rigamonti A, Das S) 49,900 CAD –(This is the first anesthesia project that has ever been awarded with this grant)
- 2018-2020 **Principal Investigator.** Anesthesia Oversight Committee Grant. Brain cancer progression: Does anesthesia matter? A retrospective multicenter study. (Kakumanu S) \$10,000 CAD.
- 2017-2019 **Principal Investigator.** Anesthesia Oversight Committee Grant. Effect of daytime versus nighttime emergent neurosurgical procedures on patients’ Neurological Outcomes (Cappellani R, West M). \$9,000 CAD. BSC Med Project.
- 2016-2018 **Principal Investigator.** Anesthesia Oversight Committee Grant. Awake Craniotomies under 3- Tesla Intraoperative Magnetic Resonance Imaging: A Comparative Study and Our Institutional Experience. (Cappellani R, West M). \$10,000 CAD.
- 2015-2016 **Co-Investigator.** Manitoba Medical Service Foundation Awards ENGAGES-Canada. (Wourms V, El-Gabalwy R, Jacobsohn E) \$30,000 CAD.
- 2012-2014 **Principal Investigator.** Anesthesia Oversight Committee Grant. Effect of lidocaine infusion on hemodynamics and recovery in patients undergoing endoscopic pituitary surgery: Multi-center trial. (Cappellani R, Daya J, Chaturvedi A, Goyal K). \$10,000 CAD.
- 2012-2013 **Principal Investigator.** Anesthesia Oversight Committee Grant. Intraoperative hemodynamic changes in patients undergoing deep brain

stimulation surgery – Prevalence and Risk Factors. (Cappellani R, Wilkinson M). \$2,500 CAD.

UNFUNDED

- 2020 **Principal Investigator.** Acute Ischemic Stroke Challenges and Management during COVID-19 Pandemic in the Interventional Neuroradiology Suite: A Global Survey. (Rizk A, Daniels A, Azazi E A, Sharma D, Venkatraghavan L)
- 2019 **Co-Investigator.** Investigating a method for reducing false negative motor evoked potential results in cerebrovascular surgery. (Wilkinson, M, Kaufmann A).
- 2018 **Co-Investigator.** Excitability analysis of the facial nerve and the lateral spread response in patients undergoing surgery for hemifacial spasm. (Wilkinson, M, Kaufmann A).
- 2017 **Co-Investigator.** Investigating the etiology of hemifacial spasm: The role of desflurane. (Wilkinson, M, Kaufmann A).
- 2016 **Principal Investigator.** PROSPERO registration CRD42016052733. Role of intraoperative MRI in awake neurosurgical procedures: a systematic review. (Zeiler F, Singh GP, Cappellani R, Schaller B, West M).

E. Publications

1. PEER-REVIEWED PUBLICATIONS

Journal Articles

1. Yan Yi, Kaderali Z, **Chowdhury T**, Shankar J. Intraoperative MRI for Endovascular Coiling of Intracranial Aneurysms: a single center experience. *Interventional Neuroradiology* 2022 (Accepted April 27, 2022) **Co-Author**.
2. Plitman E, **Chowdhury T**, Paquin-Lanthier G, Subramaniam S, Takami H, Bernstein M, Venkatraghavan , Benzodiazepine Sedation and Postoperative Neurological Symptoms after Awake Craniotomy for brain tumor – An exploratory Retrospective Cohort Study *Front Oncol* 2022 (Accepted March 29, 2022) **Co-author**
3. Rizk A, Sad M, Schaller B, Singh M, Venkatraghavan L, **Chowdhury T**. Perioperative challenges in quadriplegic patient undergoing surgery: A Systematic Review. *Front Med* (Lausanne). (Published March 28, 2022) **Senior Responsible Author**

4. Rizk A, Venkatraghavan L, Shankar J. J. S, Schaller B, **Chowdhury T**. Re-appearance of neurological deficits in pathological brain: Are sedatives culprits? *J Neurosurg Anesthesiol*. 2022 Jan 1;34(1):14-20. doi: 10.1097/ANA.0000000000000785. PMID: 34116547. **Senior Responsible Author** (Top-3 Articles, Editor's Choice for SNACC presentation by the Editor-in-Chief)
5. Wilkinson MF, **Chowdhury T**, Kaufmann A. A novel method for quantitative evaluation of motor evoked potential monitoring during cerebrovascular surgeries. *J Clin Neurosci*, 2022; 98; 29-36. **Co-author**
6. **Chowdhury T**, Davis M, Flexman A. Anesthetic Management of Patients Presenting for Endovascular Management of Acute Ischemic Stroke. *Can J Anaesth*. 2022 (accepted) **Principal Author**
7. Gray K, Avitsian R, Kakumanu S, Venkatraghavan L, **Chowdhury T**. "The effects of anesthesia on brain cancer progression: Time to rethink? -A narrative review". *J Neurosurg Anesthesiol*. 2022 Apr 1;34(2):168-175. **Senior Responsible Author**
8. **Chowdhury T**, Zeiler FA, Singh NP, Gray K, Beiko J, Cappellani R, West M. Awake craniotomies under 3-Tesla Intraoperative Magnetic Resonance Imaging: A Descriptive Study and Canadian Institutional Experience. *J Neurosurg Anesthesiol*. 2022 Jan 1;34(1):e46-e51. **Principal Author**.
9. Paquin-Lanthier G, Subramaniam S, Leong KW, Daniels A, Singh K, Takami H, **Chowdhury T**, Bernstein M, Venkatraghavan L. Risk factors and characteristics of intraoperative seizures during awake craniotomy: a retrospective cohort study of 562 consecutive patients with a space-occupying brain lesion. *J Neurosurg Anesthesiol*. 2021 Aug 19. doi: 10.1097/ANA.0000000000000798. Online ahead of print. **Co-author**
10. Rajaleelan W, Venkatraghavan L, Schaller B, **Chowdhury T**. COVID pandemic and stroke: A critical insight for Anesthesiologist. *Front Med (Lausanne)*. 2021; 8: 674034. **Senior Responsible Author**
11. **Chowdhury T**, Rizk A. Ongoing COVID-19 pandemic and medical education: Pros and Cons. (Invited Editorial), *J Anaesthesiol Clin Pharmacol* 2021 (accepted) **Principal Author**
12. **Chowdhury T**, Gray K, Sharma M et al. Brain cancer progression: A retrospective multicenter comparison of awake craniotomy versus general anesthesia in high-grade glioma resection. *J Neurosurg Anesthesiol*. 2021 May 18. doi: 10.1097/ANA.0000000000000778. Epub ahead of print. PMID: 34001816. **Principal Author**
13. **Chowdhury T**, Lemaître F, Golanov E, Kuypers K L.A.M, Buchholz B, Gelpi R, Schaller B. A Step further-The role of trigeminocardiac reflex in therapeutic implications: hypothesis, evidence and experimental Models. *J Neurosurg Anesthesiol*. 2021 Feb 2. doi: 10.1097/ANA.0000000000000760. Epub ahead of print. PMID: 33538537. **Principal Author**

14. **Chowdhury T**, Rizk A, Daniels A, Azazi E A, Sharma D, Venkatraghavan L. “Acute Ischemic Stroke Challenges and Management during COVID-19 Pandemic in the Interventional Neuroradiology Suite: A Global Survey”. *J Neurosurg Anesthesiol.* 2021 Jan; 33(1): 44-50. **Principal Author**
15. Schaller B, **Chowdhury T**. The trigeminocardiac reflex and implications for neuroanesthesia. (Invited Editorial) *J Neurosurg Anesthesiol.* 2021 Jan; 33(1): 5-7 **Senior Responsible Author**
16. Dalby T, Wohl E, Dinsmore M, Unger Z, **Chowdhury T**, Venkat Raghavan L. Pathophysiology of Cerebral Edema- A Narrative Review. *J Neuroanaesthesiol Crit Care.* 2021; 08(03): 163-172. **Co-author**
17. **Chowdhury T**, Rizk A, Azazi E A, Venkatraghavan L, Shankar J. J. S, Schaller B. Brain and Heart Cross Talks during Neurointervention Procedures-The Role of Trigemino-cardiac Reflex: An Updated Systematic Review. *J Neurosurg Anesthesiol.* 2020 Aug 28. doi: 10.1097/ANA.0000000000000723. Epub ahead of print. PMID: 32868520. **Principal Author**
18. **Chowdhury T**, Golanov E, Gelpi R, Bayford R, Schaller B. The Trigemino-cardiac Reflex: The course of the emerged definition during the last 21 years. *Future Neurology* Published Online:17 Aug 2020 <https://doi.org/10.2217/fnl-2020-0013>. **Principal Author**
19. **Qadri A, Sproule S, Girling L, West M, Cappellani R, Chowdhury T.** Effect of daytime versus nighttime on outcome in patients undergoing emergent neurosurgical procedures. *J Neurosurg Anesth* 2020. 32(4): 315-322. **Senior Responsible Author. [Editor’s Choice article]**
20. Wilkinson MF, **Chowdhury T**, Kaufmann A. Strength-duration analysis of the lateral spread response does not support trigeminal nerve involvement in hemifacial spasm. *J Clin Neurosci.* 2020 Apr; 74: 6-10. doi: 10.1016/j.jocn.2020.01.075. **Co-Author.**
21. Rogan K, **Chowdhury T**, Venkatraghavan L. Year in Review: Synopsis of Selected articles in Neuroanesthesia and Neurocritical Care from 2018. *J Neuroanaesthesiol Crit Care.* 2019; 6:18–23. **Co-Author.**
22. **Chowdhury T**, Sternberg Z, Golanov E, Gelpi R, Rosemann T, Schaller B. Photic sneeze reflex – another variant of the trigeminocardiac reflex? *Future Neurology.* 2019; 14(4). **Principal Author.**
23. **Chowdhury T**, Zeiler FA, Singh GP, Hailu A, Loewen H, Schaller B, Cappellani R, West M. The role of intraoperative MRI in awake neurosurgical procedures: A systematic review. *Front Oncol.* 2018; 8: 434. **Principal Author.**
24. **Chowdhury T**, Singh GP, Zeiler FA, Hailu A, Loewen H, Schaller B, Cappellani R, West M. Anesthesia for awake craniotomy for brain tumors in an intraoperative MRI suite: Challenges and Evidence. *Front Oncol.* 2018; 8: 519. **Principal Author.**
25. **Chowdhury T**, Rosemann T, Schaller B. The Trigemino-cardiac Reflex: An Overview. *Rev Argent Cardiol.* 2018; 86: 290-297. **Principal Author.**

26. **Chowdhury T**, Wilkinson M, Cappellani R. Cardiovascular Perturbations in DBS surgery - A Detailed Analysis. *Front Neurosci.* 2017; 11: 477. **Principal Author.**
27. **Chowdhury T**, Bergese SD, Soghomonyan S, Cappellani RB. The Role of Simulation in Planning Intraoperative Magnetic Resonance Imaging- Guided Neurosurgical Procedures. *A A Case Rep.* 2017; 8(7): 158-160. **Principal Author.**
28. **Chowdhury T**, Schaller B. Negative chronotropic effect during lumbar spine surgery: A systemic review and aggregation of an emerging model of spinal cardiac reflex. *Medicine (Baltimore).* 2017; 96(1): e5436. **Principal Author.**
29. Wilkinson MF, **Chowdhury T**, Mutch WA, Kaufmann A. Desflurane suppression of facial motor evoked potentials differs between the spasm and non-spasm side during microvascular decompression surgery for hemi-facial spasm. *J Neurosurg.* 2017;126(2):379-385. **Co-Author.**
30. Meuwly C, **Chowdhury T**, Gelpi R, Reck M, Erne P, Schaller B. The trigemino-cardiac reflex - Treatment with atropine still justifiable? *J Neurosurg Anesthesiol.* 2017; 29(3):372-373. **Co-Author.**
31. **Chowdhury T**, Schaller B. Chronic Trigemino-Cardiac Reflex: An Underestimated Truth. *Front Neurol.* 2017; 8: 22. **Principal Author.**
32. Sandu N, **Chowdhury T**, Schaller B. Trigemino-cardiac Reflex in Cerebrovascular Surgery: An Attempt of a Predictive Analysis. *Expert Rev Cardiovasc Ther.* 2017;15(3):203-209. **Co-Author.**
33. **Chowdhury T**, Garg A, Sheshadri V, Venkatraghavan L, Bergese S, Cappellani R, Schaller B. Perioperative factors contributing post-craniotomy pain: A synthesis of concepts. *Front Med (Lausanne).* 2017; 4: 23. **Principal Author.**
34. **Chowdhury T**, Bindu B, Singh GP, Schaller B. Sleep Disorders: Is Trigemino-cardiac reflex a missing link? A review. *Front Neurol.* 2017; 8: 63. **Principal Author.**
35. Singh GP, **Chowdhury T**. The Brain and Heart Connections: Trigemino-cardiac Reflex! *J Neuroanaesthesiol Crit Care* 2017; 4:71-7. **Co-Author.**
36. Bindu B, Singh GP, **Chowdhury T**, Schaller B. Rhinitis and sleep disorders: The trigemino-cardiac reflex link? *Med Hypotheses.* 2017;103:96-99. **Co-Author.**
37. **Chowdhury T**, Sandu N, Gelpi R, Schaller B. Trigemino-cardiac Reflex: Beyond a skull base reflex. *Front Neurol.* 2017; 8:533. **Principal Author.**
38. Meuwly C, **Chowdhury T**, Gelpi R, Erne P, Rosemann T, Schaller B. Definition and diagnosis of the trigemino-cardiac reflex: A grounded theory approach for an update. *Front Neurol.* 2017;8:533. **Co-Author.**

39. Meuwly C, **Chowdhury T**, Gelpi R, Erne P, Rosemann T, Schaller B. The clinical surrogate definition of the Trigemino-cardiac Reflex: Development of an optimized model according to a PRISMA-compliant systematic review". *Medicine (Baltimore)* 2017;96(49):e9033. **Co-Author**.
40. Schaller B **Chowdhury T**, Rosemann T. The trigemino-cardiac reflex: Beyond the diving reflex. *Front Neurosci.* 2017; 11: 673. **Co-Author**.
41. Bharati SJ, **Chowdhury T**, Bergese SD, Ghosh S. Role of Anesthesia in Cancer Recurrence-what do we know? *J Cancer Res Ther.* 2016; 12(2): 464-8. **Co-Author**.
42. **Chowdhury T**, Schaller B. The role of acute trigemino-cardiac reflex in unusual, non-surgical cases: Importance of case reports. *Front Neurol.* 2016; 7: 186. **Principal Author**.
43. Singh GP, **Chowdhury T**, Bindu B, Schaller B. Sudden Infant Death Syndrome-Role of Trigemino-cardiac Reflex. *Front. Neurol.* 2016; 7: 221. **Co-Author**.
44. Sandu N, **Chowdhury T**, Schaller B. How to apply case reports in clinical practice using surrogate models via example of the trigemino-cardiac reflex. *Journal of Medical Case Reports* 2016; 10: 84. **Co-Author**.
45. **Chowdhury T**, Mendelowitz D, Golanov, E, Spiriev, T, Belachew A, Sandu N, Sadr-Eshkevari P, Meuwly C, Schaller B. Trigemino-cardiac reflex : An update of the current clinical and physiological knowledge. *J Neurosurg Anesthesiol.* 2015; 27(2): 136-147. **Principal Author**.
46. **Chowdhury T**, Petropolis A, Cappellani RB. Cardiac emergencies in neurosurgical patients. *Biomed Res Int.* 2015; 751320. **Principal Author**.
47. **Chowdhury T**, Nöthen C, Filis A, Sandu N, Buchfelder M, Schaller B. Surgery for pituitary adenomas and intraoperative trigemino-cardiac reflex: First description of functional influence. *Medicine (Baltimore).* 2015; 94(37): e1463. **Principal Author**.
48. Wilkinson MF, **Chowdhury T**, Mutch WA, Kaufmann A. Is Hemifacial Spasm a Phenomenon of the Central Nervous System? – The Role of Desflurane on the Lateral Spread Response. *Clin. Neurophysiol.* 2015; 126(7): 1354-1359. **Co-Author**.
49. Sandu N, **Chowdhury T**, Sadr-Eshkevari P, Filis A, Arasho B, Spiriev T, Schaller B. Trigemino-cardiac reflex during cerebellopontine angle surgery: Anatomical location as a new risk factor. *Future Neurology* 2015; 10(1):7-13. **Co-Author**.
50. Meuwly C, Golanov E, **Chowdhury T**, Erne P, Schaller B. Trigemino cardiac reflex: New thinking model about the definition based on a literature review. *Medicine (Baltimore).* 2015;94(5):e484. **Co-Author**.
51. Lemaitre F, **Chowdhury T**, Schaller B. The trigemino-cardiac reflex –A comparison with the diving reflex in humans. *Arch Med Sci.* 2015; 11(2):419–426. **Co-Author**.

52. Meuwly C, **Chowdhury T**, Sandu N, Reck M, Erne P, Schaller B. Has anesthesia any influence on occurrence and treatment of the Trigemino-cardiac re-flex? A systematic review. *Medicine (Baltimore)*. 2015;94(18):e807. **Co-Author**.
53. Sandu N, **Chowdhury T**, Schaller B. Molecular imaging for stem cell therapy in the brain. *Stem Cell Research & Therapy*. 2015; 6:252. **Co-Author**.
54. **Chowdhury T**, Petropolis A, Wilkinson M, Schaller B, Sandu N, Cappellani R. Controversies in the management of perioperative rupture of intracranial aneurysm. *Anesthesiol Res Pract*. 2014; 595837. **Principal Author**.
55. **Chowdhury T**, Sandu N, Meuwly C, Cappellani RB, Schaller B. Trigeminal cardiac reflex: differential behavior and risk factors around the course of the trigeminal nerve. *Future Neurology*. 2014;9:41-7. **Principal Author**.
56. **Chowdhury T**, Sandu N, Meuwly C, Schaller B. Trigeminal cardiac reflex: Current trends. *Expert Review of Cardiovascular Therapy*. 2014;12(1):9-11. **Principal Author**.
57. **Chowdhury T**, Meuwly C, Sandu N, Schaller B, Cappellani RB. Coronary spasm in neurosurgical patients and role of Trigemino-Cardiac Reflex: A review. *Neurol Res Int*. 2014;2014:974930. **Principal Author**.
58. Bharati SJ, **Chowdhury T**, Gupta N, Cappellani R, Schaller B, Maguire D. Anesthesia in developing countries; present scenario and future challenges. *Niger Med J*. 2014;55(1):1-8. **Co-Author**.
59. **Chowdhury T**, Kowalski S, Arabi Y, Dash HH. Prehospital and Initial Management of Head Injury Patients: An Update. *Saudi J Anaesth*. 2014; 8:114-120. **Principal Author**.
60. **Chowdhury T**, Kowalski S, Arabi Y, Dash HH. General Intensive Care For Patients with Traumatic Brain Injury: An Update. *Saudi J Anaesth*. 2014; 8: 256-63. **Principal Author**.
61. **Chowdhury T**, Kowalski S, Arabi Y, Dash HH. Specific Intensive Care for Patients with Traumatic Brain Injury: Present and Future. *Saudi J Anaesth*. 2014; 8: 268-75. **Principal Author**.
62. **Chowdhury T**, Prabhakar H, Bithal PK, Schaller B, Dash HH. Immediate postoperative complications in transsphenoidal pituitary surgery: A prospective Study. *Saudi J Anaesth*. 2014; 8: 335-41. **Principal Author**.
63. **Chowdhury T**, Prabhakar H, Bithal PK, Schaller B. Early cognitive decline in pituitary surgery - Is nitrous oxide culprit? *Future Neurology* 2014;9(6):579-585. **Principal Author**.

Books and Book Chapters

Editor-

1. **Chowdhury T**, Schaller B. Special Issue "The Promise and Future of the Trigemino-cardiac Reflex". Systems Neuroscience. Brain Sciences 2020
2. Schaller, B., **Chowdhury, T.**, eds. The Trigemino-Cardiac Reflex: Beyond the Diving Reflex. Lausanne: Frontiers Media. 2018. Doi: 10.3389/978-2-88945-400-6.
3. **Chowdhury T**, Schaller B. Trigemino-cardiac Reflex [Elsevier publication] 2015.

Author-

4. Sandu N, **Chowdhury T**, Rosemann T, Schaller B. Neurocardiology: Pathophysiological Aspects and Clinical Implications. [Elsevier publication] 2018.
5. Belachew A, **Chowdhury T**, Spiriev T, Sandu N, Schaller B. Classification of Meningiomas in the Cerebellopontine Angle. Tumors of Central Nervous System. 2015. Vol. 14. pp 43-53, Springer Science + Business Media Dordrecht.
6. **Chowdhury T**, Spiriev T, Sandu N, Schaller B. New insights to the role of (nor-) / adrenaline and trigeminal cardiac reflex. Adrenaline Production, Role in Disease and Stress, Effects on the Mind and Body, pp. 71-80. Nova Science Publisher 2014.
7. Singh GP, **Chowdhury T**, Cappellani RB. Trigemino-cardiac Reflex in Neurological Disorders. [Elsevier publication] 2015, Trigemino-cardiac Reflex, pp.145-151.
8. Spiriev T, **Chowdhury T**, Schaller B. The Trigeminal Nerve. [Elsevier publication] 2015, Trigemino-cardiac Reflex, pp.9-35.
9. Goyal K, **Chowdhury T**. Anesthesia and the Trigemino-cardiac Reflex. [Elsevier publication] 2015. Trigemino-cardiac Reflex, pp.153-167.
10. Spiriev T, Laeleva L, **Chowdhury T** et al. The Trigemino-cardiac Reflex During Subarachnoid Hemorrhage and Neurovascular Surgery. [Elsevier publication] 2015. Trigemino-cardiac Reflex, pp.113-127.
11. Bharati S, **Chowdhury T**. The Oculocardiac Reflex. [Elsevier publication] 2015. Trigemino-cardiac Reflex, pp.89-99.
12. Meuwly C, **Chowdhury T**, Sandu et al. Trigemino-cardiac Reflex. [Elsevier publication] 2015. Trigemino-cardiac Reflex, pp.65-79.
13. Sandu N, **Chowdhury T**, Schaller B. The Future Role of the Trigemino-cardiac Reflex. [Elsevier publication] 2015. Trigemino-cardiac Reflex, pp.233-238.

14. **Chowdhury T**, Arasho B, Sandu N, Schaller B. The trigeminocardiac reflex: An example of reflexive heart rhythm change. "Abnormal Heart Rhythms". INTECH open science 2015.

2. NON-PEER-REVIEWED PUBLICATIONS

Case Reports and Correspondence

1. **Chowdhury T**. An Interview with Dr. Jeffrey Pasternak, MD, the Winner of the 2021 SNACC Teacher of the Year - Lifetime Educator Award. Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Newsletter spring 2022.
2. Paquin-Lanthier G, Rogan K, McGuire G, **Chowdhury T**, Venkatraghavan L "Central neurogenic hyperventilation and hyperlactatemia following resection of a fourth ventricle tumor – a case report" -A A case reports 2022 (Accepted March 10, 2022)
3. Rajaleelan W, **Chowdhury T**, Moga R, Todaro C, Wang JZ, Zadeh G, Singh M. "Perioperative considerations in a patient with Kleine Levin Syndrome undergoing a neurosurgical procedure under general anesthesia" Accepted Asian J Neurosurg 2022.
4. Sapa A, Venkatraghavan L, **Chowdhury T**. Post-double lung transplant, emergent cervical spine surgery and COVID Pandemic: A triple threat on perioperative management. J Anaesthesiol Clin Pharmacol 2022 (Published 15 March 2022). Senior Responsible Author
5. Shao E, Prabhu A, **Chowdhury T**. Anterior Approach to Low Cervical and High Thoracic Tumours: Anesthetic Challenges. Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Newsletter-Challenging case -2021
6. Hasanaly N, **Chowdhury T**. Nausea and Vomiting After Craniotomy: An Evidence – based Review of General Consideration, Risk Factors and Management. Commentary- Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Newsletter - September 2021
7. Rajan S, **Chowdhury T**. Really Virtual or Virtually Real: Trainees' Welcome Reception-A Huge Success! SNACC newsletter, winter issue, 2020.
8. Esmail T, **Chowdhury T**. Article of the month (October)- Blood Pressure Thresholds and Neurologic Outcomes After Endovascular Therapy for Acute Ischemic Stroke: An Analysis of Individual Patient Data From 3 Randomized Clinical Trials. Commentary- Society for Neuroscience in Anesthesiology and Critical Care (SNACC)- October 2020

9. Subramaniam S, Paquin-Lanthier G, Daniels A, Leong K, Takami H, Bernstein M, **Chowdhury T**, Venkatraghavan L. Anesthesia and Awake Brain Tumour Surgery – A single centre retrospective study of 580 patients. (Abstract) J Neurosurg Anesth September 2020
10. Paquin-Lanthier G, Subramaniam S, Leong K, Daniels A, Takami H, Singh K, **Chowdhury T**, Venkatraghavan L, Bernstein M. Predictive factors of intraoperative seizures during awake craniotomy for brain tumor: a case-control study. (Abstract) J Neurosurg Anesth September 2020
11. Paquin-Lanthier G, Rogan K, McGuire G, **Chowdhury T**, Venkatraghavan L Central hyperventilation and hyperlactatemia following resection of a fourth ventricle tumor: a case report. (Abstract) J Neurosurg Anesth September 2020
12. **Chowdhury T**. Trainee Engagement Committee Activities at the SNACC Annual Meeting. SNACC newsletter, Winter issue, 2019
13. **Chowdhury T**, Rosemann T, Schaller B. Trigemino-cardiac reflex. World Neurosurg. 2018 Nov; 119: 450. **Principal Author**.
14. **Chowdhury T**, Sapra H, Dubey S. Severe Hypotension in Transforaminal Lumbar Interbody Fusion Surgery: Is it vasovagal or? Asian J Neurosurg. 2017 Jan-Mar;12(1):149-150. **Principal Author**.
15. **Chowdhury T**, Schaller B. Key to Prevention of Bradycardia: Be Relax Postoperatively – A Case Report. Medicine (Baltimore). 2016;95(22):e3733. **Principal Author**.
16. Meuwly C, **Chowdhury T**, Sandhu N, Schaller B. Trigemino-cardiac reflex trigger points within the skull base. A neuroanatomical thinking model. J Neurosurg Anesthesiol. 2016; 28(4):437-8. **Co-Author**.
17. **Chowdhury T**, Ahuja N, Schaller B. Severe bradycardia during neurosurgical procedure: Depth of anesthesia matters and leads to a new surrogate model of the trigemino-cardiac reflex: A case report. Medicine (Baltimore). 2015 Dec;94(49):e2118. **Principal Author**.
18. **Chowdhury T**, Schaller B. The need for development of protocol for refractory cerebral vasospasm". J Neurosurg Anesthesiol. 2014;26:264-5. **Principal Author**.

F. Presentations and Special Lectures

1. International

Invited Lectures and Presentations

- 2022 **Invited Faculty**, Neurocritical Care Society and Neuroanesthesia Update, Delhi, India
- 2022 **Invited Faculty**, Effect of Anesthesia on Blood Brain Barrier and Systemic Inflammation. Indian society of Neuroanaesthesiology and critical care (ISNACC) Conference, Kolkata, India
- 2021 **Invited Speaker**, Fatal Love between Brain and Heart, International Council for Perioperative Neuroscience Training (ICPNT), SNACC, December 15, 2021
- 2021 **Invited Faculty, Quiz Master, Fun Quiz**, Trainee Engagement Committee, Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Virtual Conference, September 11, 2021
- 2021 **Moderator and co-quiz master**. Neuroanesthesia review, Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Virtual Conference, September 11, 2021
- 2021 **Moderator, Poster Session**, Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Virtual Conference. September 12, 2021
- 2021 **Invited Faculty Lecture**, Fluids in Traumatic Brain Injury, The 1st International and 30th National Conference of Research Society of Anaesthesiology Clinical Pharmacology (RSACPCON 2021), India, virtually on 6-7 March 2021.
- 2021 **Judge**, Poster Session, The 22st Annual Virtual Conference of Indian society of Neuroanaesthesiology and critical care - ISNACC 2020, India, Jan 24-26, 2021
- 2021 **Invited Faculty Lecture**, Effect of anesthetics on brain cancer survival, The 22st Annual Virtual Conference of Indian society of Neuroanaesthesiology and critical care - ISNACC 2020, India, Jan 24-26, 2021
- 2021 **Invited Faculty, Quiz Master**, Neuroanesthesia Quiz, The 22st Annual Virtual Conference of Indian society of Neuroanaesthesiology and critical care - ISNACC 2020, India, Jan 24-26, 2021
- 2021 **International Representative Advisory Board**, Indian society of Neuroanaesthesiology and critical care (ISNACC) Conference, Jan 24-26 2021.
- 2020 **Invited Speaker**, COVID-19 and Stroke, The 17th Triennial Meeting of PERTEMUAN ILMIAH BERKALA, Indonesia Society of Anesthesiologist, November 14, 2020
- 2020 **Invited Author, Journal Club for residents**, Qadri AH, Sproule S, Girling L, West M, Cappellani R, and Chowdhury T. Effect of Daytime Versus Night-time on Outcome in Patients Undergoing Emergent Neurosurgical Procedures. J Neurosurg Anesthesiol.

- 2020 Oct; 32(4): 315-322. **Johns Hopkins Anesthesiology and Critical Care Medicine, October 8, 2020**
- 2020 **Moderator, General Session III: Prevention and Management of Perioperative Stroke and Role of the NVU**, Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Virtual Conference, September 13, 2020
- 2020 **Moderator, Poster Session**, Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Virtual Conference. September 12, 2020
- 2020 **Moderator, Trainee Engagement Breakout Sessions with SNACC Past Presidents and Thought Leaders**, Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Virtual Conference, September 11, 2020
- 2020 **Invited Faculty, Quiz Master, Fun Quiz**, Trainee Engagement Committee, Society for Neuroscience in Anesthesiology and Critical Care (SNACC) Virtual Conference, September 11, 2020
- 2020 **Chairperson**, DVT prophylaxis in neurocritical care, The 21st Annual Conference of Indian society of Neuroanaesthesiology and critical care - ISNACC 2020, Chennai, India
- 2020 **Invited Faculty, Quiz Master**, Neuroanesthesia Quiz, The 21st Annual Conference of Indian society of Neuroanaesthesiology and critical care - ISNACC 2020, Chennai, India
- 2020 **Invited Faculty**, Awake craniotomies under IMRI-A two edge sword, The 21st Annual Conference of Indian society of Neuroanaesthesiology and critical care - ISNACC 2020, Chennai, India
- 2019 **Organizer, Trainees' Welcome Reception Fun Games**, Society for Neuroscience in Anesthesiology and Critical Care (SNACC) conference, Phoenix, Arizona, USA
- 2019 **Invited Faculty, Quiz master**. Neuroanesthesia review, Society for Neuroscience in Anesthesiology and Critical Care (SNACC) conference, Phoenix, Arizona, USA
- 2017 **Invited Speaker**. Interactions between Brain and Heart: Are these bidirectional? AIIMS Neuroanesthesia Update. Delhi, India.
- 2017 **Session Chair**. Emergencies in Neuroanaesthesia: How I do it? AIIMS Neuroanesthesia Update. Delhi, India.
- 2017 **Moderator**. Neuroanesthesia quiz. AIIMS Neuroanesthesia Update. Delhi, India
- 2017 **Judge, Poster Session**. AIIMS Neuroanesthesia Update. Delhi, India.
- 2017 **Workshop Faculty**. Neuromonitoring for vascular neurosurgery, AIIMS Neuroanesthesia Update. Delhi, India.

2. National

Invited Lectures and Presentations

- 2022 **Invited Speaker**, National Neuroanesthesia Rounds, CAS, April
- 2021 **Moderator**, Poster session, Canadian Anesthesiologists' Society Annual Meeting. June
- 2020 **Moderator**, Neuroanesthesia practice during COVID – Virtual Education Session, Neuroanesthesia Section, CAS
- 2019 **Invited Speaker**. Updates from Neuroanesthesia Literature, Section Neuroanesthesia, Canadian Anesthesiologists' Society Annual Meeting, Calgary, Alberta, Canada
- 2019 **Invited Speaker**. Trigemino-cardiac reflex. Annual Symposium of The Canadian Association of Neurophysiological Monitoring (CANM), Winnipeg, Manitoba, Canada
- 2019 **Invited Speaker**. Fatal love between brain and heart, Grand Rounds, Department of Anesthesia and Pain Management, Toronto Western Hospital, University Health Network Toronto, Ontario, Canada

4. Local

Invited Lectures and Presentations

- 2022 **Reviewer**, Research Abstracts, 43rd Annual Shields Research Day 2022, University of Toronto, Toronto, Canada
- 2022 **Judge**, Oral Abstract Presentation Session, Ontario Student Medical Education Research Conference, April 2, 2022
- 2022 **Presenter**, Anesthesia impacted Brain Cancer (ABC) Survival: A randomized Multi-center Feasibility Study, TWH Neurosurgery Rounds, March 2, 2022
- 2021 **Reviewer**, Research Abstracts, 42nd Annual Shields Research Day 2021, University of Toronto, Toronto, Canada
- 2021 **Judge**, Oral Abstract Presentation Session, Ontario Student Medical Education Research Conference, March 25, 26, 2021
- 2020 **Reviewer**, Internal Grant Application, Anesthesia, AMO
- 2019 **Judge, Oral Presentation**. Residents' research, Department of Anesthesia, University of Manitoba, Winnipeg, Canada.

- 2019 **Moderator**, Key note session-Today's High School Students Tomorrow's Researchers: Inspiring the Next Generation of Scientists, Manitoba Association of Asian Physicians, Hecla, Manitoba, Canada.
- 2018 **Invited Speaker**. Consciousness to Unconsciousness: The Other Side of Curtain, Summer Symposium. Manitoba Association of Asian Physicians, Hecla, Manitoba, Canada

G. Teaching and Design

Please see Teaching and Education Report for details.

- 2021 **External Examiner** for DM (Neuroanaesthesia-Batch 2018-21) theory exam, All India Institute Medical Sciences, Rishikesh, India

H. Research Supervision

Undergraduate (Non-Medical Student)

- 2022 Pooja Senthil (third year-Life Sciences), McMaster University, Hamilton, Canada, Effect of anesthesia on blood brain barrier- A Systematic Review

Undergraduate (Medical Student)

- 2022 Eric Pitman, [MED II voluntary], University of Toronto, Effect of Two General Anesthesia Based Regimes (TIVA versus Volatile anesthetics) on Functional Outcome in Patients with Acute Ischemic Stroke Undergoing Endovascular Thrombectomy. A Systematic Review and Meta-analysis
- 2021 Marina Saad [MED I voluntary], University of Ottawa. Perioperative challenges in quadriplegic patient undergoing surgery: A Systematic Review.
- 2021 Abanoub Rizk [MED II voluntary], University of Ottawa Re-appearance of neurological deficits in pathological brain: Are sedatives culprits?
- 2020 Abanoub Rizk [MED I summer project-voluntary], University of Ottawa Perioperative challenges and management of stroke patients in interventional neuroradiological suite during COVID-19 pandemic: A Global Survey
- 2019 Kristen Gray [MED II project]. Brain cancer progression: Does anesthesia matter?- A retrospective multicenter study.

- 2018 Ali Qadari. [BSc Medicine Project]. Effect of daytime versus nighttime emergent neurosurgical procedures on patients' neurological outcomes.
- Ali won two prizes for this project. **Oxford University Press Neurosciences Book Prize** [for a student who produces an excellent research project in the neurosciences for the annual B.Sc. (Med.) Oral Presentations] and **Dr. J.R.W Nicholson Prize** [for BSc (Med.) Thesis with best Scientific Merit].
- 2017-2018 Doctors Manitoba Mentorship Programme
- Frederick Eng [Med IV]
 - Abseret Hailu [Med I]
 - Ryan Henrie [Med III]
- 2017 Cyrill Meuwly [International student]. Definition and diagnosis of Trigemino-cardiac reflex.
- 2016-2017 Doctors Manitoba Mentorship Programme
- Frederick Eng [Med III]

Postgraduate Residents

- 2021-22 Ayman Mohammad, Effect of Two General Anesthesia Based Regimes (TIVA versus Volatile anesthetics) on Functional Outcome in Patients with Acute Ischemic Stroke Undergoing Endovascular Thrombectomy. A Systematic Review and Meta-analysis
- 2019-20 Mohit Sharma. Brain cancer progression: Does anesthesia matter? - A retrospective multicenter study.
- Mohit was awarded **The Ben Shell Research Award-2020** for this project.
- 2014 Andrea Petropolis. a. Cardiac Emergencies in Neurosurgical Patients, b. Controversies in the anesthetic management of intraoperative rupture of cerebral aneurysms. –Completed/published
- 2014 Barkha Bindu [International neuroanesthesia resident]. a. Sudden Infant Death Syndrome and Trigemino-cardiac reflex, b. Sleep disorders and Trigemino-cardiac reflex c. Rhinitis and sleep disorders: The trigemino-cardiac reflex link? – Completed/published

Postgraduate Fellows

- 2022-2023 Swati Chabara, University of Toronto, Barriers in implementing ERAS for patients undergoing craniotomy-A multicenter, multinational survey
- 2021-2022 Rodrigo Nakatani, University of Toronto, Effect of Two General Anesthesia Based Regimes (TIVA versus Volatile anesthetics) on Functional Outcome in Patients with Acute Ischemic Stroke Undergoing Endovascular Thrombectomy, A Systematic Review
- 2021-2022 Wesley Rajaleelan, University of Ottawa, Effect of Two General Anesthesia Based Regimes (TIVA versus Volatile anesthetics) on Functional Outcome in Patients with Acute Ischemic Stroke Undergoing Endovascular Thrombectomy, A Systematic Review
- 2020-2021 Abigail Daniels [Neuroanesthesia] Perioperative challenges and management of stroke patients in interventional neuroradiological suite during COVID-19 pandemic: A Global Survey –Completed/published
- 2020-2021 Sudhakar Subramaniam [Neuroanesthesia] Systematic Review-Role of Heart Rate Variability in Aneurysmal Sub Arachnoid Hemorrhage
- 2018-2019 Mohammad Khimji [Neuroanesthesia]. Systematic Review-Dexmedetomidine in neurosurgery
- 2017-2018 Narinder Pal Singh. [Neuroanesthesia]. Awake Craniotomies under 3- Tesla Intraoperative Magnetic Resonance Imaging: A Comparative Study and Our Institutional Experience. –Completed/published
- 2016-2017 Vanita Mehta [Neuroanesthesia]. Awake Craniotomies under 3- Tesla Intraoperative Magnetic Resonance Imaging: A Comparative Study and Our Institutional Experience. –Completed/published