

## NEUROSURGE

### MONTHLY UPDATES FROM THE CHAIRMAN'S OFFICE UNIVERSITY OF TORONTO, DIVISION OF NEUROSURGERY

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#### FROM THE CHAIRMAN'S OFFICE

##### **Best Practices for Enhancing Surgical Research article**

Michael Fehlings (Vice Chair Research, Department of Surgery, UofT) and the other members of the Canadian Association of Chairs of Surgical Research published an article on best practices for enhancing surgical research in the Canadian Journal of Surgery. The piece outlines findings of a nationwide survey sent to all members of departments of surgery across Canada, and is attached as a PDF of the Month.



##### **New Editor-in-Chief, Stereotactic and Functional Neurosurgery**

Andres Lozano was appointed as Editor-in-Chief of Stereotactic and Functional Neurosurgery, effective July 2020. He succeeds Dr. David W. Roberts (Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire), who has provided editorial leadership to the journal since 2001. Stereotactic and Functional Neurosurgery is the official journal of the World, American, European, Indian, Japanese, Korean, Middle East, Russian, and Latin American stereotactic societies.



### **Newest addition to Division Family**

Gelareh Zadeh and husband Randall welcomed their second daughter, Sadie Dey on January 8, 2020. Please join me in extending best wishes to them and their older daughter Ayla on the newest addition to the family.



### **HONORS, GRANTS AND AWARDS**

Allan Martin (clinical spine fellow) won the Charles Kuntz Award from the Section on Disorders of the Spine and Peripheral Nerves of the AANS/CNS.

Jessica Rabski (PGY4 Neurosurgery, Univ. of Ottawa; MEd supervisor: Dr. Michael Cusimano) won the "MD Program Teaching Award of Excellence" from the University of Toronto. The award is given in recognition by the students of the MD program for exemplifying excellence in undergraduate medical education.

### **PUBLICATIONS**

Badhiwala JH, Ahuja CS, Akbar MA, Witiw CD, Nassiri F, Furlan JC, Curt A, Wilson JR, Fehlings MG. Degenerative cervical myelopathy - update and future directions. *Nat Rev Neurol*. 2020 Jan 23.

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Charalampidis A, Jiang F, Wilson JRF, Badhiwala JH, Brodke DS, Fehlings MG. The Use of Intraoperative Neurophysiological Monitoring in Spine Surgery. *Global Spine J*. 2020 Jan;10(1 Suppl):104S-114S.

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## **VISITING PROFESSORSHIPS**

Michael Fehlings was the Meeting Host of the Ben Alman Research Rounds at Toronto Western Hospital. January 10, 2020. Toronto, Ontario.

Michael Fehlings was an Invited Speaker at the Spine: Base to Summit. 1) Panel Discussion: “Managing pressure in the hospital and outside,” 2) “Trauma from Occiput to Scrum: Dilemmas, Challenges, and How to Manage,” 3) “The do’s and don’ts in the management of spinal cord injury,” 4) Case Presentation: “Complex Craniocervical Trauma,” 5) Case Presentation: “How the Expert Thinks About this Dilemma (Patient with Cervical Cord Compression, T2 Signal Change on MRI and No Neurology),” 6) Moderator: “Cervical Degeneration.” January 23-26, 2020. Vail, Colorado.

James Rutka was the Ed Benzel Visiting Professor. 1) “On stress and burnout: The Shikoku Henro Trail,” 2) “Translational advances in the management of brain tumours: A tale of three tumours.” January 23-24, 2020. Cleveland, OH.

Andres Lozano was an Invited Speaker at the 2020 Meeting of the Japanese Society of Stereotactic and Functional Neurosurgery (JSSFN). 1) “The possibility of DBS to treat AD”; 2) “Advances in the use of FUS in Neurosurgery”. January 9-11, 2020. Hamamatsu, Japan.

Andres Lozano was the Guest Plenary Lecturer. MDSICON 2020 Meeting, Movement Disorder Society of India (MDSI). 1) (Plenary) “Current status of lesioning surgeries and focused ultrasound in movement disorders”; 2) “Deep brain stimulation for movement disorders – present and future”. January 31-February 1, 2020. Thiruvananthapuram, India.

## **IN THE MEDIA**

Mojgan Hodaie was interviewed by CBC News on performing her 1,000<sup>th</sup> surgery treating trigeminal neuralgia. The piece can be accessed at: <https://www.cbc.ca/news/canada/toronto/trigeminal-neuralgia-surgery-1.5426944>





Gelareh Zadeh was featured in a video interview by Global News on women in neurosurgery. The video can be viewed at:

<https://globalnews.ca/video/6376364/the-push-for-more-female-neurosurgeons>



Drs. Zadeh and Michael Cusimano, and residents Teresa Purzner, Han Yan and Nardin Samuel, were also interviewed by CBC News on the push to get more women into neurosurgery. The piece can be accessed at: <https://www.cbc.ca/news/canada/toronto/neurosurgery-neurology-brainsurgery-doctors-health-1.5394397>



Vitor Pereira was interviewed by CTV News on his treatment of a patient with a rare form of tinnitus. The piece can be accessed at: <https://www.ctvnews.ca/health/life-changing-surgery-helps-woman-with-rare-form-of-tinnitus-1.4783749>



## PDFs OF THE MONTH

Badhiwala JH, Ahuja CS, Akbar MA, Witiw CD, Nassiri F, Furlan JC, Curt A, Wilson JR, Fehlings MG. Degenerative cervical myelopathy - update and future directions. *Nat Rev Neurol*. 2020 Jan 23.

Elias GJB, Giacobbe P, Boutet A, Germann J, Beyn ME, Gramer RM, Pancholi A, Joel SE, Lozano AM. Probing the circuitry of panic with deep brain stimulation: Connectomic analysis and review of the literature. *Brain Stimul*. 2020 Jan - Feb;13(1):10-14.

Khazaei M, Ahuja CS, Nakashima H, Nagoshi N, Li L, Wang J, Chio J, Badner A, Seligman D, Ichise A, Shibata S, Fehlings MG. GDNF rescues the fate of neural progenitor grafts by attenuating Notch signals in the injured spinal cord in rodents. *Sci Transl Med*. 2020 Jan 8;12(525).

Sener A, Anderson CC, Auger FA, Barralet J, Brindle M, Cayabyab FS, Fehlings MG, Lacombe L, Perrault LP, Sabbagh R, Seely AJ, Wallace C, Ellsmere J, Keijzer R. Best practices for enhancing surgical research: a perspective from the Canadian Association of Chairs of Surgical Research. *Can J Surg*. 2019 Dec 1;62(6):488-498.

Tarzi C, Tarzi G, Walker M, Saarela O, Cusimano MD. Medical Assessment of Head Collision Events in Elite Women's and Men's Soccer. JAMA. 2020 Jan 21;323(3):275-276.

## **UPCOMING MEETINGS**

### **April 2020**

American Association of Neurological Surgeons (AANS) 88th Annual Meeting. Boston, Massachusetts. Apr 25-29, 2020. <https://www.aans.org/Annual-Scientific-Meeting/2020>

### **May 2020**

Society of Neurological Surgeons (SNS) 2020 Annual Meeting. Philadelphia, Pennsylvania. May 30-Jun 2, 2020. [https://www.societyns.org/meeting\\_info.html](https://www.societyns.org/meeting_info.html)

### **June 2020**

Canadian Neurological Sciences Federation (CNSF) 55th Annual Congress. Banff, Alberta. Jun 7-10, 2020. <http://congress.cnsfederation.org/>

## **RESIDENTS' CORNER**

The Department of Neurosurgery at Case Western Reserve University and University Hospitals in Cleveland, Ohio has a vacancy for a BE/BC spine-focused neurosurgeon. Contact Gabriel Smith, Clinical Director, at [gabriel.smith@uhhospitals.org](mailto:gabriel.smith@uhhospitals.org) for more information and to apply.

### **Brain School Schedule - [thebrainschool.net](http://thebrainschool.net)**

February 2020

#### **Friday, February 7, 2020**

Sickkids, Roy Hill Wing, Room 1527

0900-1200

Topic: Pediatric vascular disorders

Peter Dirks: Pediatric vascular disease – AVMs

Peter Dirks: Moya Moya

Peter Dirks: VoGM and other conditions

Noma Dlamini: Pediatric Stroke (*to be confirmed*)

**Friday, February 14, 2020**

2020 Canada-Wide Neurosurgery Practice Exam

Toronto Western Hospital, West Wing 3-424

0900-1200

**Friday, February 21, 2020**

Sickkids, Roy Hill Wing, Room 1527

0900-1200

TOPIC: Craniosynostosis

Christopher Forrest: Craniosynostosis

Christopher Forrest: Positional plagiocephaly

Abhaya Kulkarni: Essentials of Communications

**Friday, February 28, 2020**

Sickkids, Roy Hill Wing, Room 1527

0900-1200

Pediatric Block

TBD

**RESIDENCY PROGRAM COMMITTEE MEETINGS**

Monday, February 3, 2020, 7-8 a.m., TWH WW4-438 (library) (post CaRMS)

Monday, February 24, 2020, 7-8 a.m., TWH WW4-438 (library)

**NEUROSURGERY CABINET MEETING**

Tuesday, March 24, 2020, 7-8 a.m., TWH WW4-438 (library)