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AO Spine NA Fellows Webinar—Advances in the Mgmt & Decision Making Degenerative Cervical Myelopathy

May 17, 2022 - May 17, 2022 Online, N/A, USA

Target Audience: Spine Fellows

Overview:

Degenerative cervical myelopathy (DCM) is the most common form of spinal cord impairment in the world. It's a condition that is being increasingly recognized and poses significant challenges and opportunities for spine surgeons. This webinar will review the clinically relevant evidence related to DCM and will focus on two clinically relevant and controversial topics, namely the appropriate surgical approach to use for patients with DCM and also the appropriate techniques and thought processes with regard to the management of individuals with mild DCM.



Tuition: Level Name: Participant - Spine Pricing Tier: Fellow Tuition: \$0.00

Course Prerequisite(s): No Prerequisites **Venue:** No Venue

Language(s): English Directly Provided by:



Professional Level Prerequisite(s): No Prerequisites



CME

The Continuing Medical Education (CME) mission of AO North America (AONA®) is to provide comprehensive multidisciplinary needs based education to surgeons, fellows, and residents in the specialties of orthopedic, hand, craniomaxillofacial, spine, neurosurgery, and veterinary surgery in the areas of trauma (i.e.), operative reduction and fixation), degenerative disorders, deformities, tumors, and reconstruction.

Expected results of AONA's CME activities for surgeons, fellows, and residents are to:

- Increase their knowledge base and surgical skill level
- Improve competence by applying advances of knowledge in patient care in the areas of trauma, degenerative
- disorders, deformities, tumors, and reconstructive surgical techniques

• Address practice performance gaps by improving management of aspects of traumatic injuries and musculoskeletal disorders (i.e., preoperative planning to post-operative care)

Learning Objectives

Upon completion, participants should be able to:

- Develop a clinically relevant understanding of the concept and the pathobiology of DCM.
- Develop a working understanding of the current AO Spine guidelines for the management of DCM.
- Develop a working knowledge of the different surgical techniques to manage DCM and their appropriate applications.
- Develop a working knowledge of the assessment and management of individuals with mild DCM.

Faculty



Fehlings, Michael - Chairperson MD, PhD, FRCSC, FACS Professor of Neurosurgery Co-Director UT Spine Program Vice Chair Research, Department of Surgery University of Toronto Toronto, Ontario

At the University of Toronto, Dr. Michael Fehlings is Vice Chair Research for the Department of Surgery, Co-Director of the Spine Program, the Robert Campeau-Charles Tator Chair in Brain and Spinal Cord Research, a Professor of Neurosurgery. Having established a multidisciplinary Spinal Program at Toronto Western Hospital, he combines an active clinical practice in complex spinal neurosurgery with a vibrant, translationally-oriented research program. This research focuses preclinically on translationally relevant models of spinal cord and brain injury, including developmental brain injury, and clinically on disorders of the spine/spinal cord. He has developed cervical and thoracic models of spinal cord injury to facilitate translational research. The lab is currently working with induced pluripotent stem cells (iPSCs) and neural stem cells (NSCs) with a focus on combinatorial therapies as the most likely way in which stem cells will ultimately be used in a clinical setting. Dr. Fehlings is currently involved in clinical trials of therapies including the sodium blocker, Riluzole, and the use of stem cells in spinal cord injury. With over 1100 highly-cited publications, impacting clinical practice and research directions, he is established as a leading international expert investigating CNS repair and regeneration for brain and spinal cord injury. Dr. Fehlings' scientific impact has been recognized with numerous international awards and with appointments as a Fellow of the Royal Society and a Fellow of the Canadian Academy of Health Sciences.



Ghogawala, Zoher - Lecturer MD. FACS

Professor and Chair of Neurosurgery Tufts University School of Medicine Chairman, Department of Neurosurgery Co-Director, Comparative Effectiveness Research Institute Lahey Hospital and Medical Center Burlington, Massachusetts



Wilson, Jeff - Lecturer MD, PhD, FRCS(C)

MD, PhD, FRCS(C) University of Toronto Associate Professor St. Michael's Hospital Neurosurgeon Toronto, Ontario

Dr. Jefferson Wilson is a surgeon-scientist at St. Michael's Hospital and Associate Professor in the Department of Surgery at the University of Toronto. He currently holds the Labatt Endowed Chair in Neurosurgery at Unity Health. Dr Wilson's clinical practice is focused on the surgical management of complex disorders of the spine and spinal cord. He also leads a clinical research program investigating both traumatic and non-traumatic spinal cord injury, with a specific interest in the development of predictive models and algorithms to help guide treatment and forecast outcomes. His research has been supported through several grants from organizations including the Canadian Institutes of Health Research, the Christopher and Dana Reeve Foundation, AOSpine, Neurosurgery Research and Education Foundation and the Cervical Spine Research Society. Dr. Wilson currently chairs a national evidence based spine surgery course for residents and fellows and serves on the editorial boards of Journal of Neurosurgery Spine.

AO NA Disclaimer Information

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All scientific research referred to, reported or used in this CME activity in support or justification of a patient care recommendation conforms to the generally accepted standards of experimental design, data collection and analysis.

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Acknowledgment

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