SPINE SYMPOSIUM 2020
OCTOBER 23-25, 2020

COURSE DIRECTORS

Isaac O. Karikari, MD
Associate Professor of Neurosurgery
Director of Adult Neurosurgery Spine Fellowship

Christopher Brown, MD
Associate Professor of Orthopaedic Surgery

Carolyn Keeler, DO
Assistant Professor of Neurosurgery

#DukeSpineSymposium

Contact Us:
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Spine Symposium 2020

The Duke Spine Symposium is an interactive, multidisciplinary event designed to emphasize state-of-the-art treatment of spinal disorders. This CME course is instructed by leaders in many fields of spine care including degenerative, adult and pediatric deformity, pain management, physiatry, spine anesthesiology, physical therapy and geriatric medicine. All lectures are followed by question-and-answer sessions as well as case discussions to highlight nuances in evaluation and treatment.

Objectives

The symposium is designed to increase competence and provide the most up-to-date evidence-based review of the management of patients with spinal disorders. At the end of the course, we expect participants to be able to

- Evaluate and manage preoperative and perioperative spinal pain in a cost effective manner based on best available evidence;
- Identify best available options for conservative management (acupuncture, injections, physical therapy, chiropractor, ablations, etc.) of patients with spinal disorders using an evidence-based approach;
- Provide an evidence-based approach in patient selection for spinal surgery and strategies of preoperative optimization of co-morbidities such as cardiac, pulmonary, endocrine disorders;
- Identify the application of fusion techniques (anterior, posterior, lateral) for common degenerative spinal disorders based on best available evidence;
- Evaluate and develop a systematic approach in evaluating patients with adult and pediatric scoliosis, high grade spondylolisthesis and other complex spinal deformities;
- Identify innovative spine technologies and their impact on current and future spine surgeries.
Meet our Guest Speakers

**Lawrence Lenke, MD**  
Surgeon-in-Chief  
Och Spine Hospital at New York-Presbyterian/Allen  
Professor of Orthopedic Surgery (in Neurological Surgery)  
Chief of Spinal Surgery  
Chief of Spinal Deformity Surgery  
Co-Director, Adult and Pediatric Comprehensive Spine Surgery Fellowship  
Columbia Univ. Dept. of Orthopedic Surgery

**Sigurd Berven, MD**  
Professor in Residence  
Chief, Spine Service  
Department of Orthopedic Surgery  
University of California, San Francisco

**Juan Uribe, MD**  
Professor and Vice-Chairman Department of Neurological Surgery  
Chief Division of Spinal Disorders  
Volker K. H. Sonntag Chair of Spine Research  
Barrow Neurological Institute

**David Polly, MD**  
James W. Ogilvie Professor and  
Chief of Spine Surgery  
Catherine Mills Davis endowed Professor  
Department of Orthopaedic Surgery  
Professor (w) of Neurosurgery  
University of Minnesota

**Regis Haid Jr., MD, FAANS**  
Director of Spine Surgery  
Piedmont Hospital and Atlanta Brain and Spine Care

**Amer Samdani, MD**  
Chief of Surgery  
Shriners Hospital for Children
Spine Symposium Agenda
October 23 – October 25

Friday, October 23, 2020 – 5:00 pm-7:20 pm, EDT

5:00 pm Welcome and Introductions - Course directors
5:05 Integrative Approaches to Spine Care - Carolyn Keeler, DO
5:20 Role of Acupuncture in Patients with Neck and Back Pain - Gloria Liu, MD
5:35 Evaluation and Non-operative Treatment of Patients with SI Joint Pain - Michael Guo, MD
5:50 Role of Neuromodulation in the Treatment of Refractory Pain - Nandan Lad, MD, PhD
6:05 Role of Physical Therapy in Spine Care: An Evidence Based Review - Michael Schmidt, DPT
6:20 The Duke Spine Virtual Health Program: An Overview - Christine Goertz, DC, PhD
6:35 The Role of Chiropractors in the Management of Spinal Disorders - Eugene Lewis, DC, MPH
6:50 Guest Lecture: Surgical Treatment of High Grade Spondylolisthesis: Tips and Pearls - Larry Lenke, MD
7:20 pm Closing remarks

Saturday, October 24, 2020 – 8:00 am-1:35 pm, EDT

8:00 am Welcome and Introductions - Course directors
8:05 Spine Quality and Safety Programs: Duke Spine Experience 2012 to Present - Oren Gottfried, MD
8:20 Complication Avoidance in Complex Spine Surgery - Theresa Williamson, MD
8:35 Anesthetic Considerations in High Risk Patients Undergoing Spine Surgery - Dhanesh Gupta, MD
8:50 Perioperative Pain Management in Spine Surgery Patients: the Duke Approach - Padma Gurlur, MD
9:05 Preoperative Optimization of Bone Health in Spine Patients - Kenneth Lyles, MD
9:20 Osteoporotic Fractures: Evaluation and Treatment Options - Thomas Hopkins, MD
9:35 Cervical Spondylotic Myelopathy: Current Concepts on Pathophysiology and Management - Regis Haid, MD
9:50 Utility of EMG/NCS in Spinal Disorders - Rapi Siriwichadrak MD
10:05 Management of Cervical Fractures in the Elderly - John C. Barr, MD
10:20 Motion Preservation Surgery in Cervical Disorders - Chester Yarbrough, MD
10:35 Anterior Fusions for Cervical Degenerative Disorders - Michael Haglund, MD, PhD
10:50  Common Sport Injuries of the Neck and Back: How to Evaluate and Treat – William Richardson, MD
11:05  Cervical Spine Pathologies in a Patient with Rheumatoid Arthritis - Melissa Erickson, MD
11:20  SI Joint Pathology: Surgical Management and Applications in Complex Spine Fusions - David Polly Jr, MD
11:40  Anterior Column Surgery in Patients with Lumbar Degenerative Disease - Chris Brown, MD
12pm  Evolution of Lateral Interbody Techniques from its Inception to Current - Juan Uribe, MD
12:20  State of the Art Treatment of Spinal Metastases - Rory Goodwin, MD, PhD
12:40  Healthcare Economics in Spine Surgery: Challenges and Opportunities - Sigurd Berven, MD
1:00  Spinal Cord Injury: Current Concepts in Evaluation and Treatment - Clifford Crutcher, MD
1:20  Adult Spinal Deformity Surgery: When to Decide between 3CO and no 3CO - Thomas Buell, MD
1:35 pm  Closing remarks - Course directors

Sunday, October 25, 2020 – 8:00 am-11:00 am, EDT
8:00 am  Welcome and Introductions - Course directors
8:05  Ambulatory Spine Surgery: Pros and Cons vs. Inpatient Surgery - Peter Grossi, MD
8:20  Awake Surgery in Spine: Indications, Technique and Outcomes - Muhammad Abd-El Barr, MD, PhD
8:35  Robotic Applications in Spine Surgery - Phillip Horne, MD, PhD
8:50  MIS Surgery in Adult Scoliosis - Khoi Than, MD
9:05  How to Approach a Patient with Cervical Kyphosis - Isaac O. Karkari, MD
9:20  Early Onset Scoliosis: My Experience at Shriners Hospital for Children - Amer Samdani, MD
9:40  Adolescent Idiopathic Scoliosis: How I evaluate and Treat - Robert Lark, MD
9:55  Radiofrequency Ablation for Treatment of Spine Pain - Rowena Mariano, MD
10:10  Clinical Approach to Patients with Hip Pain - Gabe Smith, MD
10:25  Evaluation and Treatment of Spinal Infections: Discitis, Osteomyelitis, Epidural Abscess – Nikhil Shelke, MD
10:40  When to Say No to Surgery - Christopher Shaffrey, MD
11:00 am  Closing Remarks - Course directors
Meet our Team

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