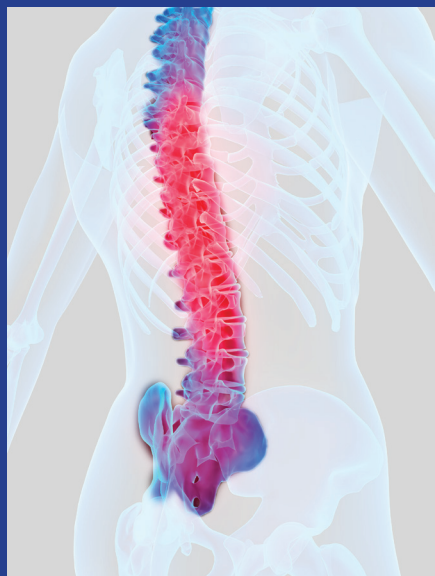


# BROWN-HARVARD-YALE NEUROSURGERY- ORTHOPEDICS CADAVERIC SPINE COURSE

## COMPREHENSIVE TECHNICAL REVIEW

June 8-9, 2018

MedCure, 900 Highland Corporate Drive, Cumberland, RI



### TARGET AUDIENCE

Neurosurgery & Orthopedic Spine Attendings, Fellows, Senior Residents interested in spine.

### CAPACITY

8 stations with 4 attendees at each station. 1-2 Faculty/Station

### LEARNING OBJECTIVES

- Understand the surgical anatomy and approaches to the operative spine from occiput to the pelvis
- Describe indications for surgical stabilization and instrumentation in patients with trauma, deformity, tumor and degenerative diseases of the spine
- Compare & contrast minimally invasive and traditional open approaches to spine surgery
- Outline the diversity of surgical treatment of spinal disorders & promote evidence-based strategies toward understanding of how surgical intervention effects pain & functional outcomes in spine patients

### COURSE CO-DIRECTORS:

#### Adetokunbo A. Oyelese, MD, PhD, FAANS

Associate Professor of Neurosurgery, Clinician Educator  
Warren Alpert Medical School of Brown University  
Director, Division of Spine Surgery  
Surgical Director, Comprehensive Spine Center  
Rhode Island Hospital | Providence, RI

#### Alan H. Daniels, MD

Assistant Professor of Orthopaedics  
Co-Director, Brown Spine Surgery Fellowship  
Warren Alpert Medical School of Brown University  
Chief, Adult Spinal Deformity Service  
Rhode Island Hospital & The Miriam Hospital | Providence, RI

### FACULTY:

#### Khalid M. Abbed, MD

Associate Professor of Neurosurgery  
Chief, Neurosurgery Spine | Yale School of Medicine  
Director, Minimally Invasive Spine Surgery  
Director, Spine Tumor Surgery  
Co-Director, Yale-New Haven Hospital Spine Center  
Yale Spine Center | New Haven, CT

#### Ziya L. Gokaslan, MD

Gus Stoll, MD Professor & Chair of Neurosurgery  
Warren Alpert Medical School of Brown University  
Neurosurgeon-in-Chief  
Rhode Island Hospital & The Miriam Hospital  
Clinical Director, Norman Prince Neurosciences Institute  
President, Brown Neurosurgery Foundation | Providence, RI

#### John H. Chi, MD, MPH

Assistant Professor of Neurosurgery | Harvard Medical School  
Director, Neurosurgical Spine Cancer  
Brigham & Women's Hospital | Boston, MA

#### Michael W. Groff, MD

Director, Neurosurgical Spine Service  
Brigham & Women's Comprehensive Spine Center  
Brigham & Women's Hospital | Boston, MA  
Chair, National Neurosurgical Spine Society

#### Craig P. Ebersson, MD

Associate Professor of Orthopaedics  
Director, Orthopedic Residency Program and Pediatric Orthopedic Fellowship  
Warren Alpert Medical School of Brown University  
Chief, Division of Pediatric Orthopaedics  
Hasbro Children's Hospital | Providence, RI

#### Phillip R. Lucas, MD

Clinical Associate Professor of Orthopaedics  
Warren Alpert Medical School of Brown University  
Rhode Island Hospital | Providence, RI

#### Jared Fridley, MD

Assistant Professor of Neurosurgery  
Warren Alpert Medical School of Brown University  
Director, Spinal Surgical Outcomes Laboratory  
Rhode Island Hospital | Providence, RI

#### John H. Shin, MD

Director, Metastatic Spine Oncology and Spinal Deformity Surgery  
Spinal Reconstruction Surgery  
Brigham & Women's Comprehensive Spine Center  
Massachusetts General Hospital | Boston, MA

#### Albert E. Telfeian, MD, PhD

Professor of Neurosurgery, Clinician Education  
Warren Alpert Medical School of Brown University  
Director, Center for Minimally Invasive Endoscopic Spinal Surgery  
Rhode Island Hospital | Providence, RI



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FRIDAY JUNE 8, 2018

**Cadaver Pre-Dissection:**

**12:00 – 5:00 PM** Venue: MedCure Lab

**Faculty and Workshop Attendee Dinner & Lecture**

**6:30 – 9:00 PM**

**History & Evolution of Spine Instrumentation Surgery**

Phillip R. Lucas, MD

SATURDAY JUNE 9, 2018

At MedCure Lab

**Registration and Breakfast**

**7:00 – 7:30 AM**

**Lecture Session I**

**7:30 - 9:00 AM**

**Welcome and Introduction**

Ziya L. Gokaslan, MD

**Course Overview**

Adetokunbo Oyelese, MD, PhD & Alan H. Daniels, MD

**Occipito-Cervical and Upper Thoracic**

**Instrumentation: Relevant Anatomy and Technique**

Speaker to be announced.

**Thoracic, Lumbar, Sacral Instrumentation**

**Relevant Anatomy**

Speaker to be announced.

**Principles of Spinal Navigation**

Adetokunbo Oyelese, MD, PhD

**Hands-on Cadaver Workshop I**

**9:00 – 10:30 AM**

**Posterior Approach—Instrumentation**

Occipito-Cervical Fixation

C1-C2 Fixation

Lateral Mass Screws

C7-T1 Pedicle Screws

Thoracic, Lumbar and Sacral Pedicle Screws

**10:30 – 12:00 PM**

**Posterior Approach—Decompression**

Thoracic/Lumbar Laminectomy/  
Transpedicular Approach

T5 Posterior Corpectomy Approach with Cage

L4/5 PLIF and TLIF

**FOR MORE INFORMATION:** CONTACT BROWN CME

Ph: 401.863.2871 | Email: CME@Brown.edu

**Working Lunch and Lecture Session II**

**12:00 – 1:30 PM**

**Adult Spinal Deformity Principles and Surgical**

**Treatment** | Alan H. Daniels, MD, Craig P. Ebersson, MD,

Ziya L. Gokaslan, MD

**Lateral Approaches to the Thoracolumbar Spine**

Alan H. Daniels, MD, Ziya L. Gokaslan, MD,

Adetokunbo Oyelese, MD, PhD

**Clinical Cases and Vignettes** | Invited Faculty

Endoscopic Spine | Albert E. Telfeian, MD, PhD

**Hands-on Cadaver Workshop II**

**1:30 – 3:00 pm**

**Posterior Approach—Deformity**

Smith Peterson Osteotomy (Cervical, Thoracic, Lumbar)

Pedicle Subtraction Osteotomy (C7, T2, L3)

Vertebral Column Resection

S2AI and Traditional Iliac Screw Placement

**Hands-on Cadaver Workshop III**

**3:00 – 5:00 PM**

**Lateral Approach to Thoracolumbar Spine**

Trans-thoracic Extrapleural Retroperitoneal Approach

T11 Corpectomy with Cage and Instrumentation

L3-4, L4-5 XLIF/DLIF/OLIF

**Hands-on Cadaver Workshop**

**Supplemental Dissection**

**Advanced Approaches**

ALIF Exposure

Sacroctomy

Transoral/ Transmandibular Decompression

Cervical Thoracic Junction - Median Sternotomy

**Anterior Approach to Cervical Spine**

Anterior Cervical Discectomy

Anterior Cervical Corpectomy with Cage

Anterior Cervical Instrumentation

**ACCREDITATION:** The Warren Alpert Medical School of Brown University is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

**CREDIT DESIGNATION:** Alpert Medical School designates this live activity for a maximum of 9 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

To Register Visit: <https://tinyurl.com/CavericSpine>