



**BROWN-HARVARD-TUFTS-YALE**  
**NEUROSURGERY-ORTHOPEDICS CME ACCREDITED**  
**CADAVERIC SPINE COURSE FOR RESIDENTS AND FELLOWS**  
**COMPREHENSIVE TECHNICAL REVIEW**

**Friday, May 31<sup>st</sup> & Saturday, June 1<sup>st</sup> 2019**  
MedCure | 900 Highland Corporate Drive, Cumberland, RI

### Course Directors

**Adetokunbo A. Oyelese, MD, PhD**  
Associate Professor of Neurosurgery  
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**  
Associate Professor of Orthopedics  
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

**Phillip R. Lucas, MD**  
Clinical Associate Professor of Orthopedics  
Warren Alpert Medical School of Brown University  
Rhode Island Hospital | Providence, RI

**Craig P. Ebersson, MD**  
Associate Professor of Orthopedics  
Director, Orthopedic Residency Program and  
Pediatric Orthopedic Fellowship  
Warren Alpert Medical School of Brown University  
Chief, Division of Pediatric Orthopedics  
Hasbro Children's Hospital | Providence, RI

**Ron I. Riesenburger, MD**  
Associate Professor  
Tufts University School of Medicine  
Director, Spine Center  
Co-Chief, Division of Spinal Surgery  
Tufts Medical Center | Boston, MA

**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

**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

**Albert E. Telfeian, MD, PhD**  
Professor of Neurosurgery  
Warren Alpert Medical School of Brown University  
Director  
Center for Minimally Invasive Endoscopic Spinal Surgery  
Rhode Island Hospital | Providence, RI

# BROWN-HARVARD-TUFTS-YALE HANDS-ON SPINE CADAVER CME COURSE

## Target Audience

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

## Capacity

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

## Learning Objectives

At the conclusion of this activity, participants should be able to:

- Understand the surgical anatomy & 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 and contrast minimally invasive and traditional open approaches to spine surgery
- Outline the diversity of surgical treatment of spinal disorders and promote evidence-based strategies towards understanding of how surgical intervention effects pain and functional outcomes in spine patients

## Friday, May 31, 2019

12:00–5:00 PM	<b>CADAVER PRE-DISSECTION</b> Residents, Fellows, Available Faculty <i>Venue: MedCure Lab</i>	12:00–1:30	<b>WORKING LUNCH &amp; LECTURE SESSION II</b> <b>Adult Spinal Deformity Principles, Preoperative Evaluation, &amp; Surgical Treatment</b> Alan H. Daniels, MD
6:30–9:00 PM	<b>FACULTY &amp; ATTENDEE DINNER LECTURE</b> <i>The Capital Grille, Providence, RI</i> <b>Complications, Salvage Strategies &amp; Surgical Humility!</b> All Faculty		<b>Cervico-Thoracic Deformity Correction</b> John H. Shin, MD <b>Lateral Approaches to the Thoracolumbar Spine</b> Ziya L. Gokaslan, MD

## Saturday, June 1, 2019

*Venue: MedCure Lab*

7:00–7:30 AM	<b>Registration and Breakfast</b>		<b>Endoscopic Spine</b> Albert E. Telfeian, MD, PhD <b>MIS Spine Approaches</b> Khalid M. Abbed, MD
7:30–9:00	<b>LECTURE SESSION I</b> <b>Welcome and Introduction</b> Ziya L. Gokaslan, MD <b>Course Overview</b> Alan H. Daniels, MD & Adetokunbo Oyelese, MD, PhD <b>Cranio-Cervical &amp; Sub-Axial Cervical Instrumentation: Relevant Anatomy &amp; Techniques</b> Jared Fridley, MD <b>Thoracic, Lumbar, Sacral Instrumentation Relevant Anatomy</b> Craig P. Ebersson, MD <b>Clinical Cases &amp; Vignettes</b> Adetokunbo Oyelese, MD, PhD & John H. Shin, MD	1:30–3:00	<b>HANDS-ON CADAVER WORKSHOP II</b> <b>Posterior Approach—Deformity</b> Smith Peterson Osteotomy (cervical, thoracic, lumbar) Pedicule Subtraction Osteotomy (C7, T2, L3) Vertebral Column Resection S2AI & Traditional Iliac Screw Placement
9:00–10:30	<b>HANDS-ON CADAVER WORKSHOP I</b> <b>Posterior Approach—Instrumentation</b> Occipito-Cervical Fixation C1-C2 Fixation Lateral Mass Screws C7-T1 Pedicle Screws Lumbar Cortical Bone Trajectory Screws	3:00–5:00	<b>HANDS-ON CADAVER WORKSHOP III</b> <b>Lateral Approach to Thoracolumbar Spine</b> Thoracolumbar Trans-thoracic & Retroperitoneal Approach T11 Corpectomy with Cage & Instrumentation Lateral Lumbar MIS Interbody Approach
10:30–12:00 PM	<b>Posterior Approach—Decompression</b> Thoracic/Lumbar Laminectomy/Transpedicular Approach T5 Posterior Corpectomy Approach with Cage L4/5 PLIF & TLIF		<b>HANDS-ON CADAVER WORKSHOP—SUPPLEMENTAL DISSECTION</b> <b>Advanced Approaches</b> ALIF Exposure Sacrectomy Transoral/ Transmandibular Decompression Cervical Thoracic Junction - Median Sternotomy <b>Anterior Approach to Cervical Spine</b> Anterior Cervical Discectomy Anterior Cervical Corpectomy with Cage Anterior Cervical Instrumentation

# BROWN-HARVARD-TUFTS-YALE HANDS-ON SPINE CADAVER CME COURSE



## Course Registration Information

There is no cost to participate in this workshop however pre-registration is required.

### To Register Visit:

<https://cme-learning.brown.edu/Cadaveric-Spine-19>

**Access Code:** Cadaver-19

## Hotel Accommodations

A limited number of rooms have been reserved for course faculty and attendees at:

### Providence Omni Hotel

1 West Exchange Street, Providence, RI  
Phone: 401-598-8000

Room Rate: \$199.00 (single or double)

Room block expires May 17, 2019

## Dinner Lecture Location

The Capital Grille  
10 Memorial Boulevard  
Providence, RI 02903

## For More Information, Contact Brown CME Office

233 Richmond Street, Box G-R156  
Providence, RI 02912  
Phone: 401.863.2871  
Email: [CME@Brown.edu](mailto:CME@Brown.edu)

## 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.

## Directions to MedCure Lab

### Coming From Providence, RI (Northbound)

Merge onto I-95 N, take exit 23 for RI-146 toward US-44 Woonsocket/State Offices. Continue on RI-146 N, then take I-295 N exit toward RI-99 N, keep left at the fork and continue onto RI-99 N. Continue to Highland Corporate Dr. The destination will be on the left.

### Coming from Boston, MA (Southbound)

Merge onto I-93 S, take exit 1A toward I-95 S, then take exit 4 for I-295 S. Take exit 18B for RI-146 N toward US-44 Woonsocket. Make a slight right toward RI-99 N and continue onto RI-99 N. Continue to Highland Corporate Dr. The destination will be on the left.

