
Friday, May 31st & Saturday, June 1st 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. Eberson, 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 12:00–5:00 PM | **Cadaver Pre-Dissection**  
Residents, Fellows, Available Faculty  
*Venue: MedCure Lab* |
| 6:30–9:00 PM  | **Faculty & Attendee Dinner Lecture**  
The Capital Grille, Providence, RI  
Complications, Salvage Strategies & Surgical Humility!  
All Faculty |

Saturday, June 1, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00–7:30 AM</td>
<td>Registration and Breakfast</td>
</tr>
</tbody>
</table>
| 7:30–9:00 AM  | **Lecture Session I**  
Welcome and Introduction  
Ziya L. Gokaslan, MD  
Course Overview  
Alan H. Daniels, MD & Adetokunbo Oyelese, MD, PhD  
Cranio-Cervical & Sub-Axial Cervical Instrumentation: Relevant Anatomy & Techniques  
Jared Fridley, MD  
Thoracic, Lumbar, Sacral Instrumentation Relevant Anatomy  
Craig P. Eberson, MD  
Clinical Cases & Vignettes  
Adetokunbo Oyelese, MD, PhD & John H. Shin, MD |
| 9:00–10:30 AM | **Hands-On Cadaver Workshop I**  
*Posterior Approach—Instrumentation*  
Occipito-Cervical Fixation  
C1-C2 Fixation  
Lateral Mass Screws  
C7-T1 Pedicle Screws  
Lumbar Cortical Bone Trajectory Screws |
| 10:30–12:00 PM| **Posterior Approach—Decompression**  
Thoracic/Lumbar Laminectomy/Transpedicular Approach  
T5 Posterior Corpectomy Approach with Cage  
L4/5 PLIF & TLIF |

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 12:00–1:30 PM | **Working Lunch & Lecture Session II**  
Adult Spinal Deformity Principles, Preoperative Evaluation, & Surgical Treatment  
Alan H. Daniels, MD  
Cervico-Thoracic Deformity Correction  
John H. Shin, MD  
Lateral Approaches to the Thoracolumbar Spine  
Ziya L. Gokaslan, MD  
Endoscopic Spine  
Albert E. Telfeian, MD, PhD  
MIS Spine Approaches  
Khalid M. Abbed, MD |

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 1:30–3:00 PM  | **Hands-On Cadaver Workshop II**  
*Posterior Approach—Deformity*  
Smith Peterson Osteotomy (cervical, thoracic, lumbar)  
Pedicle Subtraction Osteotomy (C7, T2, L3)  
Vertebral Column Resection  
S2AI & Traditional Iliac Screw Placement |
| 3:00–5:00 PM  | **Hands-On Cadaver Workshop III**  
Lateral Approach to Thoracolumbar Spine  
Thoracolumbar Trans-thoracic & Retropitoneal Approach  
T11 Corpectomy with Cage & Instrumentation  
Lateral Lumbar MIS Interbody Approach |

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 9:00–10:30 AM | **Hands-On Cadaver Workshop II**  
*Advanced Approaches*  
ALIF Exposure  
Sacrectomy  
Transoral/Transmandibular Decompression  
Cervical Thoracic Junction - Median Sternotomy  
*Anterior Approach to Cervical Spine*  
Anterior Cervical Disectomy  
Anterior Cervical Corpectomy with Cage  
Anterior CervicalInstrumentation |

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 10:30–12:00 PM| **Hands-on Cadaver Workshop—Supplemental Dissection**  
ALIF Exposure  
Sacrectomy  
Transoral/Transmandibular Decompression  
Cervical Thoracic Junction - Median Sternotomy  
*Anterior Approach to Cervical Spine*  
Anterior Cervical Disectomy  
Anterior Cervical Corpectomy with Cage  
Anterior Cervical Instrumentation |
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

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.

For More Information, Contact Brown CME Office

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