



BROWN NEUROSURGERY AND ORTHOPAEDIC SURGERY CADAVERIC SPINE COURSE COMPREHENSIVE TECHNICAL REVIEW

June 9-10, 2017

MedCure, 900 Highland Corporate Drive, Cumberland, RI

TARGET AUDIENCE

Neurosurgery and Orthopedic Surgery Residents and Fellows

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 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 toward understanding of how surgical intervention effects pain and functional outcomes in spine patients

COURSE CO-DIRECTORS:

Adetokunbo A. Oyelese, MD, Ph.D., FAANS

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

Mark A. Palumbo, MD

Professor, Department of Orthopaedics
Director, Brown University Fellowship in Spine Surgery
Warren Alpert Medical School, Brown University
Chief, Division of Spine Surgery
Rhode Island Hospital | Providence, RI

FACULTY:

Craig Ebersson, MD

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

Jared Fridley, MD

Teaching Fellow, Department of Neurosurgery
Warren Alpert Medical School, Brown University
Rhode Island Hospital | Providence, RI

Ziya L. Gokaslan, MD

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

Clinical Associate Professor, Orthopaedics
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JOINTLY PROVIDED BY: DEPARTMENT OF NEUROSURGERY AND DEPARTMENT OF ORTHOPEDIC SURGERY



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BROWN
Alpert Medical School

FRIDAY JUNE 9, 2017

Cadaver Pre-Dissection:

12:00 – 5:00 PM *Venue: MedCure Lab*

Faculty and Workshop Attendee Dinner & Lecture

7:00 – 9:00 PM *The Capital Grille*

Cervical Spine Trauma and Surgical Treatment

Jared Fridley, MD

Occipital and Cervical Instrumentation

(Relevant Anatomy) Adetokunbo Oyelese, MD, PhD

SATURDAY JUNE 10, 2017

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 & Mark Palumbo, MD

Thoracolumbar Trauma Classification and Surgical Treatment

Jared Fridley, MD

Thoracic, Lumbar, Sacral Instrumentation Relevant Anatomy

Craig Ebersson, MD & Phillip R. Lucas, MD

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

Working Lunch and Lecture Session II

12:00 – 1:30 PM

Adult Spinal Deformity Principles and Surgical Treatment

Craig P. Ebersson, MD, Jared Fridley, MD

Ziya L. Gokaslan, MD, Mark Palumbo, MD

Lateral Approaches to the Thoracolumbar Spine

Ziya L. Gokaslan, MD, Adetokunbo Oyelese, MD, PhD,

Mark Palumbo, MD

Hands-on Cadaver Workshop II

1:30 – 3:00 PM

Posterior Approach – Deformity

Smith Peterson Osteotomy

Pedicle Subtraction Osteotomy

Vertebral Column Resection

S2 and Pelvic 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 XLIF/DLIF

Anterior Approach to Cervical Spine

Anterior Cervical Discectomy

Anterior Cervical Corpectomy with Cage

Anterior Cervical Instrumentation

Hands-on Cadaver Workshop

Supplemental Dissection

Advanced Approaches

ALIF Exposure

Sacrectomy

Transoral/ Transmandibular Decompression

Cervical Thoracic Junction - Median Sternotomy

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.

FOR MORE INFORMATION: CONTACT BROWN CME
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To Register Visit: <http://tinyurl.com/61017Cadavericspine>