3rd Annual UCLA Spinal Cord Injury Symposium

February 29, 2020
Tamkin Auditorium
Ronald Reagan UCLA Medical Center
Los Angeles, California
The UCLA Spinal Cord Injury Symposium is a one-day course that presents contemporary and future strategies in the management of spinal cord injury. The first half of the day emphasizes the clinical management of spinal cord injury ranging from initial patient evaluation through postoperative rehabilitation. The management of both chronic spinal cord injury related to cervical spondylotic myelopathy and acute traumatic spinal cord injury will be discussed in didactic lectures, case presentations, and question and answer sessions. Recent evidence-based studies will be utilized. The second half of the course will be focused on emerging basic science and clinical research, and delves into novel functional restoration and neural repair strategies including neuromodulation, stem cells, and cellular therapies. A patient testimonial regarding life with a spinal cord injury will provide context and meaning to all of the treatment modalities.

Course Description

The purpose of this course is to increase competency in the management of patients with chronic and acute spinal cord injury. Additionally, this program seeks to increase familiarity with the research strategies that are shaping the management of spinal cord injury currently and in the future.

Attendees completing this course will increase skills and knowledge to better:

• Evaluate and treat both acute and chronic spinal cord injury patients, including operative and nonoperative options, nursing care, and critical care management
• Contrast the surgical approaches for chronic and traumatic spinal cord injury and distinguish which approaches are the most optimal for a specific clinical presentation
• Describe the role of sagittal balance and other spinal deformity parameters in the management of cervical spondylotic myelopathy and incorporate these measurements into clinical practice
• Compare traditional and novel rehabilitation strategies following spinal cord injury and formulate individualized treatment plans
• Define the etiology of chronic pain in spinal cord injury patients and employ the available operative and nonoperative options to improve pain levels in these patients
• Identify the areas of controversy in the management of traumatic spinal cord injury based on evidence-based guidelines
• Describe the basic science and clinical research strategies that are actively being translated into the treatment for spinal cord injury patients
• Explore the basic science and clinical research strategies that are likely to be translated into the treatment for spinal cord injury patients in the future

Course Objectives

The target audience is health care professionals and researchers invested in improving the care for spinal cord injury patients including neurosurgeons, orthopedists, neurologists, intensivists, rehabilitation specialists, physiatrists, pain management physicians, nurses, physician assistants, and spinal cord injury researchers.
Course Faculty

COURSE DIRECTORS

Langston T. Holly, MD
Professor and Vice Chair of Clinical Affairs, Department of Neurosurgery*

Daniel C. Lu, MD, PhD
Associate Professor of Neurosurgery and Vice Chair of Research*
Director, Neuromotor Recovery and Rehabilitation Center

A. Nick Shamie, MD
Professor and Chief, Orthopaedic Spine Surgery*

COURSE FACULTY

Lorie Brinkman, OTD, OTR/L, BCPR, CSRS, C/NDT
Occupational Therapist*
Departments of Rehabilitation and Neurosurgery

Samantha J. Butler, PhD
Eleanor I. Leslie Chair in Pioneering Brain Research*
Department of Neurobiology

Allen S. Chen, MD, MPH
Interventional Spine Director, Adult Cerebral Palsy Clinic*
Co-Director, UCLA/West LA VA Pain Fellowship
Department of Orthopaedic Surgery

V. Reggie Edgerton, PhD
Professor*
Department of Integrative Biology and Physiology

Elizabeth L. Lord, MD
Assistant Clinical Professor*
Department of Orthopaedic Surgery

Luke Macyszyn, MD, MA
Assistant Professor of Neurosurgery and Orthopaedics*
Department of Neurosurgery

Duncan Q. McBride, MD
Chief, Division of Neurosurgery
Harbor/UCLA Medical Center
Associate Clinical Professor*
Department of Neurosurgery

Bennett Novitch, PhD
Professor and Ethel Scheibel Chair in Neuroscience*
Department of Neurobiology
Broad Center of Regenerative Medicine & Stem Cell Research

Leo Orange
Director, Disabled Student Programs & Veterans Affairs
Oxnard College

Don Young Park, MD
Assistant Clinical Professor*
Department of Orthopaedic Surgery

Patricia E. Phelps, PhD
Professor*
Vice-Chair for Undergraduate Education
Department of Integrative Biology and Physiology

Michael V. Sofroniew, MD, PhD
Distinguished Professor of Neurobiology*
Department of Neurobiology

Paul Vespa, MD
Assistant Dean of Critical Care Medicine (Res)
Gary L. Brinderson Family Chair in Neurocritical Care
Professor of Neurology and Neurosurgery*

Dana Wong, MSN, RN, ACCNS-AG, CCRN, CNRN
Neuroscience Clinical Nurse Specialist
Ronald Reagan UCLA Medical Center

*David Geffen School of Medicine at UCLA
**Saturday, February 29, 2020**

7:30  Registration and Continental Breakfast

8:00  Introduction  
*Langston T. Holly, MD and Daniel C. Lu, MD, PhD*

**Session 1: Cervical Spondylotic Myelopathy**

8:05  Cervical Spondylosis and Myelopathy Overview: When to Observe and When to Operate?  
*Langston T. Holly, MD*

8:25  Case Presentation and Discussion – Multi Level Cervical Spondylotic Myelopathy:  
*Anterior Cervical Discectomy/Corpectomy Is Best*  
*Duncan Q. McBride, MD*

*Cervical Laminectomy and Fusion Is the Way to Go*  
*Don Young Park, MD*

*Don’t Fuse My Neck, Give Me A Laminoplasty*  
*A. Nick Shamie, MD*

9:45  The Role of Sagittal Balance and Deformity Parameters in Cervical Spine Surgery  
*Luke Macyszyn, MD, MA*

10:05  Break

**Session 2: Acute Traumatic Spinal Cord Injury: Clinical**

10:20  Central Cord Syndrome  
*Elizabeth L. Lord, MD*

10:40  Nursing Care for the Spinal Cord Injury Patient  
*Dana Wong, MSN, RN, ACCNS-AG, CCRN, CNRN*

11:00  Controversies in ICU Management  
*Paul Vespa, MD*

11:20  Rehabilitation of the Patient with Spinal Cord Injury  
*Lorie Brinkman, OTD, OTR/L, BCPR, CSRS, C/NDT*

11:40  Pain Management Strategies Following Spinal Cord Injury  
*Allen S. Chen, MD, MPH*

12:00  Lunch
Session 3: Acute Traumatic Spinal Cord Injury: Research

1:00  Spinal Cord Injury – A Personal Perspective: “No Excuses”  
      Leo Orange

1:30  Invasive vs. Noninvasive Neuromodulation for SCI – Which is Better?  
      Daniel C. Lu, MD, PhD

1:50  Mechanisms of Spinal Neuromodulatory Facilitation of Recovery after Spinal Injury  
      V. Reggie Edgerton, PhD

2:10  Break

2:30  Olfactory Ensheathing Cells as a Repair Strategy for Severe Spinal Cord Injury  
      Patricia E. Phelps, PhD

2:50  Molecular Pathways That Accelerate the Regeneration of Axons Following Nerve Injury  
      Samantha J. Butler, PhD

3:10  Spinal Cord Wound Repair and Regeneration  
      Michael V. Sofroniew, MD, PhD

3:30  Modeling of the Central Nervous System Using Organoids  
      Bennett Novitch, PhD

3:50  Adjourn and Reception
Registration Fee
$125  Physicians
$75  Nurses, Allied Health Professionals, Researchers
$25  Fellows, Residents, Students
Free  UCLA Fellows, Residents, Students

Refunds
Cancellations must be received in writing by January 31, 2020 and will be subject to a $50 processing fee. No refunds will be granted after that date. If, for any reason, the course must be cancelled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

Enrollment

By Mail
Use the form attached. Mail to the UCLA Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, 3rd Annual UCLA Spinal Cord Injury Symposium, 10920 Wilshire Blvd., Ste. 1060, Los Angeles, CA 90024-6512

Online
Go to www.cme.ucla.edu/courses, click on 3rd Annual UCLA Spinal Cord Injury Symposium, and click on the registration information section. You may use your MasterCard, VISA, American Express or Discover card to register online.

By Phone
Use your American Express, MasterCard, VISA or Discover card. Call (310) 794-2620.

By FAX
Send the completed enrollment form with credit card information and authorizing signature. Fax (310) 794-2624.

Program Location
Tamkin Auditorium
Ronald Reagan UCLA Medical Center
757 Westwood Plaza
Los Angeles, CA 90095

Directions and Parking
From the 405 freeway, exit Wilshire Blvd., east toward Westwood. Turn left on Westwood Blvd., travel past Charles E. Young Dr. South and turn left on Structure 8 driveway. Drive up the ramp to the rooftop level to park. Pay per license plate at the kiosk and display the parking permit on your dash. All day self-parking is $13.00.

Accreditation
The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of 6.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California State Board of Registered Nursing accepts courses approved by the AMA for category 1 credit as meeting the continuing education requirements for license renewal. Nurses from states other than California should inquire with their local State Board for specific continuing education policies.

Disclosure Statement
The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is “truly independent” and free of commercial influence. In addition to independence, the FDA requires that nonpromotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program’s participants. In addition, Accreditation Council for Continuing Medical Education policy mandates that the provider adequately manages all identified potential conflicts of interest prior to the program. We at UCLA fully endorse the letter and spirit of these concepts.
Enrollment

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Application for Enrollment (Please Print)

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REGISTRATION FEES:
$125 Physicians
$75 Nurses, Allied Health Professionals, Researchers
$25 Fellows, Residents, Students*

*Complimentary registration for UCLA Fellows, Residents and Students can be arranged by contacting Carrie Bruckner at CBruckner@mednet.ucla.edu.

Please print clearly, and remember to include your credit card number and authorizing signature.

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Charge:
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