

6th Annual USC Spine Symposium



Saturday, February 27, 2021

Virtual Conference



Presented by:

USC Spine Center

USC Office of Continuing Medical Education

Keck School of
Medicine of **USC**

COURSE DESCRIPTION

The USC Spine Symposium aims to provide information and education to clinical practitioners and researchers on the management of spinal disorders. This virtual program is a half-day event with pre-recorded lectures and live question and answer sessions with participants. Topics covered include the natural history of various spinal disorders, the diagnostics workup and imaging of spinal diseases, and medical and surgical treatment of commonly encountered spinal diseases in the clinical setting.

TARGET AUDIENCE

This course is intended for physician assistants, physical therapists, occupational therapists, internists, family practitioners, rheumatologists, neurologists, physiatrists, pain specialists, orthopedic surgeons, neurosurgeons, and spine surgeons.

PROGRAM

New Conference Format: Faculty presentations are pre-recorded and posted on the Whova App for on-demand access starting February 18, 2021. Please consult confirmation email sent by the USC Office of CME for guidance. At your leisure, review all pre-recorded sessions prior to February 27, in preparation for the live panel discussions with the faculty on February 27, 2021.

Pre-Recorded Session I: *Moderator: Christopher C. Ornelas, MD*

Comprehensive Exam for the Spine Patient

Blanca Nunez, PA-C (15 min)

Complications of Neuromodulation

Darrin J. Lee, MD, PhD (20 min)

Neurostimulation for Chronic Low Back Pain

Christopher C. Ornelas, MD (20 min)

Imaging of Low Back Pain

Jay Acharya, MD (20 min)

Shoulder Pain: Differential Diagnosis and Treatment of Crossover Pathology

Frank A. Petrigliano, MD (20 min)

Electrodiagnostic Testing in Spine Medicine

Soma Sahai-Srivastava, MD (20 min)

Pre-Recorded Session II: *Moderator: David S. Cheng, MD*

Diagnosis and Treatment Options for Brachial Plexopathy

Rachel Lefebvre, MD (20 min)

Lifestyle Redesign and Stress Management

Lindsey Reeves, OTD, OTR/L, CEAS (20 min)

Ankylosing Spondylitis 2021

Daniel G. Arkfeld, MD (20 min)

Dorsal Root Ganglion Stimulation

David S. Cheng, MD (20 min)

Cooled Radiofrequency Ablation Treatments for Low Back Pain

Gene Tekmyster, DO (20 min)

Pre-Recorded Session III: *Moderator: John C. Liu, MD*

Rehabilitation After Lumbar Spine Decompression Surgery

Justin M. Lantz, DPT (20 min)

Current Concepts in Adult Deformity

Raymond J. Hab, MD (20 min)

Lumbar Degenerative Disc Disease

Mark J. Spoonamore, MD (20 min)

Contemporary Topics in Spine: MIS Is the Future

John C. Liu, MD (20 min)

Spinopelvic Pathology and Total Hip Arthroplasty: How the Spine Affects the Hip

Nathanael Heckmann, MD (20 min)

Pre-Recorded Session IV: Moderator: Jeffrey C. Wang, MD

Navigation and Robotics

Patrick C. Hsieh, MD (20 min)

Intradural Tumors

Thomas C. Chen, MD, PhD (20 min)

Cervical Topics in Spine Surgery

Jeffrey C. Wang, MD (20 min)

Peri-Operative Management of the Complex Spine Patient

Ronald Kall, MD (20 min)

Improving Spine Care Outcomes: Predictive Analytics

Zorica Buser, PhD (20 min)

Saturday, February 27, 2021

7:30 am **Conference Login Begins**

7:50 am **Welcome and Spine Center Overview**

Christopher C. Ornelas, MD

Session I: Question and Answer Session: Moderator: Christopher C. Ornelas, MD

8:00 am **Each presenter will summarize talks from Pre-Recorded Session I followed by Question and Answer Session.**

Blanca Nunez, PA-C, Darrin J. Lee, MD, Christopher C. Ornelas, MD, Jay Acharya, MD, Frank A. Petrigliano, MD and Soma Sahai-Srivastava, MD

8:50 am **Break**

Session II: Question and Answer Session: Moderator: David S. Cheng, MD

9:00 am **Each presenter will summarize talks from Pre-Recorded Session II followed by Question and Answer Session.**

Rachel Lefebvre, MD, Lindsey Reeves, OTD, OTR/L, CEAS, Daniel G. Arkfeld, MD, David S. Cheng, MD and Gene Tekyster, DO

9:50 am **Break**

Session III: Question and Answer Session: Moderators: John C. Liu, MD and Christopher C. Ornelas, MD

10:00 am **Each presenter will summarize talks from Pre-Recorded Session III followed by Question and Answer Session.**

Justin M. Lantz, DPT, Raymond J. Hab, MD, Mark J. Spoonamore, MD, John C. Liu, MD, and Nathanael Heckmann, MD

10:30 am **Break**

Session IV: Question and Answer Session: Moderators: Jeffrey C. Wang, MD and Christopher C. Ornelas, MD

10:35 am **Each presenter will summarize talks from Pre-Recorded Session IV followed by Question and Answer Session.**

Patrick C. Hsieh, MD, Thomas C. Chen, MD, PhD, Jeffrey C. Wang, MD, Ronald Kall, MD, and Zorica Buser, PhD

11:05 am **Adjourn**

LEARNING OBJECTIVES

By the end of the course, participants will be able to:

- Identify appropriate workup, diagnostic options and imaging modalities for cervical, thoracic and lumbar spinal disorders.
- Distinguish non-surgical management and medical treatment options for spinal diseases, including advanced interventional techniques.
- Assess the data and efficacy of non-surgical and surgical treatment of various spinal disorders.
- Examine complex surgical case management, including intraoperative neuro-monitoring, intraoperative imaging and anesthetic management.

ACCREDITATION STATEMENT

The Keck School of Medicine of the University of Southern California is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION

The Keck School of Medicine of the University of Southern California designates this live activity for a maximum of 10.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The following may apply *AMA PRA Category 1 Credit(s)™* for license renewal: Registered Nurses may report up to 9.75 credit hour(s) toward the CME requirements for license renewal by their state Board of Registered Nurses (BRN). CME may be noted on the license renewal application in lieu of a BRN provider number.

Physician's Assistants: The National Commission on Certification of Physicians' Assistants states that *AMA PRA Category 1 Credit(s)™* accredited courses are acceptable CME requirements for recertification.

USC is an approved provider of physical therapy CE units through the Physical Therapy Board of California. This activity is designated for .9 PT CEU.

COURSE FACULTY

COURSE DIRECTORS

Keck Medicine of USC

Christopher C. Ornelas, MD

Assistant Professor of Orthopaedic and
Neurological Surgery
USC Spine Center
Department of Orthopaedic Surgery

John C. Liu, MD

Professor of Neurological and Orthopaedic
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USC Spine Center
Department of Neurological Surgery

Jeffrey C. Wang, MD

Professor of Orthopaedic and Neurological
Surgery
USC Spine Center
Department of Orthopaedic Surgery

KECK MEDICINE OF USC FACULTY

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Assistant Professor of Clinical Radiology
Division of Radiology

Daniel G. Arkfeld, MD

Professor of Clinical Medicine
Division of Rheumatology
Department of Medicine

Zorica Buser, PhD

Assistant Professor of Research,
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USC Spine Center
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Department of Pathology

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Clinical Assistant Professor of
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USC Spine Center
Department of Neurological Surgery

Raymond J. Hah, MD

Assistant Professor of Orthopaedic and
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Nathanael Heckmann, MD

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Department of Orthopaedic Surgery

Patrick C. Hsieh, MD

Professor of Neurological and Orthopaedic
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USC Spine Center
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Ronald Kall, MD

Clinical Assistant Professor of Medicine
Department of Medicine

Darrin J. Lee, MD

Assistant Professor of Clinical Neurological
Surgery and Psychiatry
Departments of Neurological Surgery and
Psychiatry

Rachel Lefebvre, MD

Assistant Professor of Orthopaedic Surgery
Department of Orthopaedic Surgery

Blanca Nunez, PA-C

Instructor of Clinical Neurological Surgery
Department of Neurological Surgery

Frank A. Petrigliano, MD

Associate Professor of Orthopaedic
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Department of Orthopaedic Surgery

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Associate Professor of Orthopaedic and
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USC Spine Center
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Associate Professor of Clinical Neurology
Headache and Neuralgia Center
Department of Neurology

Gene Tekmyster, DO

Assistant Professor of Orthopaedic Surgery
USC Spine Center
Department of Orthopaedic Surgery

USC FACULTY

Justin M. Lantz, DPT

Assistant Professor of Clinical Physical
Therapy and Family Medicine
Department of Family Medicine

Lindsey Reeves, OTD, OTR/L

Assistant Professor of Clinical
Occupational Therapy
Department of Occupational Therapy

COURSE INFORMATION

REGISTER FOR COURSE

Online: www.usc.edu/cme, go to **Conference Calendar**

Email: uscme@usc.edu

Mail: Office of CME, 1540 Alcazar Street, CHP 223, Los Angeles, CA 90033

Phone: (323) 442-2555

Fax: 1 (888) 665-8650

Registration closes February 27, 2021 at 9:00 am PST.

Please visit www.usc.edu/cme, click on **Conference Calendar**. Payment will be accepted by credit card only for registration on February 27.

CANCELLATION POLICY

Registration cancellations must be received by the USC Office of CME by fax or email only by February 19, 2021, 12:00 pm PST for a refund.

In support of health care professionals' need for flexibility during COVID-19, cancellation fees are waived for a full refund. In the event of course cancellation by conference organizers, all registration fees will be fully refunded. USC will not refund any travel costs incurred.

REGISTRATION FORM

6th Annual USC Spine Symposium: February 27, 2021

Virtual Conference

Name _____

Degree _____ Medical License Number _____

Telephone _____ Fax _____

Address _____

City _____ State _____

Zip Code _____ Specialty _____

Email Address* _____

Institutional Affiliation _____

* Correspondence and confirmations are sent by email.

TUITION

Registration closes February 27, 2021 at 9:00 am PST.

☐ \$100-MD, DO

☐ \$75-NP, PA

☐ \$75-RN, AH

☐ \$75-PT, OT

☐ \$50-Residents, Fellows

PAYMENT

No cash payment accepted.

☐ Credit Card (American Express, Mastercard or Visa)

☐ Check

Make check payable to USC. Must be postmarked by February 19, 2021.

Credit Card Number _____

Expiration Date _____ Security Code _____

Authorized Signature _____ Amount \$ _____

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Online: www.usc.edu/cme, go to **Conference Calendar**

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Non-Profit
U.S. Postage
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