

Keck School of Medicine of USC



2022 USC International Spine and Rheumatology Symposium

Thursday, June 16, 2022 – Sunday, June 19, 2022

Hyatt Regency Maui
Ka'anapali Beach in Maui, Hawaii



Presented by:

USC Spine Center, USC Department of Medicine: Division of Rheumatology
and USC Office of Continuing Medical Education

PROGRAM AGENDA

Thursday, June 16, 2022

Interventional Spine Care

Moderator: Christopher C. Ornelas, MD

- 6:15 am Continental Breakfast and Registration
- 7:30 am Welcome and Introduction
Christopher C. Ornelas, MD
- 7:35 am CBD and THC. Are They the Answer to Treating Joint Pain?
Daniel G. Arkfeld, MD
- 8:00 am Management of Patients with Degenerative Hip and Spine Disease
Nathanael Heckmann, MD
- 8:25 am A Review of Interspinous Spacer Implants for Lumbar Stenosis: What's the Data?
Gene Tekmyster, DO
- 8:50 am Vertebrogenic Back Pain and Basivertebral Nerve Ablation- Hype or Substance?
David S. Cheng, MD
- 9:15 am Fibromyalgia- Is this the Source of Pain?
Daniel G. Arkfeld, MD
- 9:35 am Break
- 9:50 am Spinal Cord Stimulation: Current Evidence and Indications
Christopher C. Ornelas, MD
- 10:20 am Ablative and Neuromodulation Procedures for Atypical Pain Syndromes
Darrin J. Lee, MD
- 10:45 am Dorsal Root Ganglia Stimulation
David S. Cheng, MD
- 11:10 am Restorative Neurostimulation for Low Back Pain
Christopher C. Ornelas, MD
- 11:35 am Question and Answer Session
- 11:55 am Closing Remarks
Christopher C. Ornelas, MD
- 12:00 pm Adjourn

Friday, June 17, 2022

Cervical Spine

Moderator: Jeffrey C. Wang, MD

- 6:15 am Continental Breakfast and Registration
- 7:30 am Welcome and Introduction
Jeffrey C. Wang, MD
- 7:35 am Osteoporotic Cervical Spine
Ronald Kall, MD
- 8:00 am Management of Cervical Disc Herniations
Jeffrey C. Wang, MD
- 8:25 am Spinal Trauma: Updates and Contemporary Concepts
Patrick C. Hsieh, MD
- 8:50 am Management of Fractures in the Elderly Population
Raymond J. Hah, MD
- 9:15 am Question and Answer Session
- 9:35 am Break
- 9:50 am Surgical Treatments for Cervical Myelopathy
Jeffrey C. Wang, MD
- 10:20 am Rheumatoid Related Spine Diseases: RA/DISH/OPLL From a Surgeon's Perspective
Kiran Alluri, MD
- 10:45 am Cervical Deformity and Alignment
Raymond J. Hah, MD
- 11:10 am Occipital Cervical Fusion Considerations
Patrick C. Hsieh, MD
- 11:35 am Question and Answer Session
- 11:55 am Closing Remarks
Jeffrey C. Wang, MD
- 12:00 pm Adjourn

PROGRAM AGENDA

Saturday, June 18, 2022

General Session: Rheumatology

*Moderator: Daniel G. Arkfeld, MD and
Kristine Uramoto, MD*

6:15 am Continental Breakfast and
Registration

7:30 am Welcome and Introduction
Daniel G. Arkfeld, MD

7:35 am Introduction and
Pathophysiology of
Inflammatory Arthritis:
Etiology of Spondylarthropa-
thies
Daniel G. Arkfeld, MD

8:00 am The Cervical Spine: From RA to
Pseudogout
Glenn R. Ehresmann, MD

8:25 am Psoriatic Arthritis and the
Spine
Shuntaro Shinada, MD

8:50 am Ankylosing Spondylitis 2022
Update
*Francisco P. Quismorio, Jr., MD,
MACR*

9:15 am Question and Answer Session

9:35 am Break

9:50 am Unusual Causes of Back Pain
With Focus on Red Flags
Elizabeth Taylor-Albert, MD

10:15 am Using Biologics to Treat RA and
Spondylarthropathies
Glenn R. Ehresmann, MD

10:35 am Clinical Case-Atlantoaxial
Subluxation in a Rheumatoid
Arthritis Patient
Glenn R. Ehresmann, MD

10:55 am Using Biologics to Treat RA,
Ankylosing Spondylitis and
Psoriatic Arthritis
*Francisco P. Quismorio, Jr., MD,
MACR*

11:15 am COVID-19 Update in
Rheumatology
Leanna Wise, MD, MPH

11:35 am Question and Answer
Session

11:55 am Closing Remarks
Daniel G. Arkfeld, MD

12:00 pm Adjourn

Saturday, June 18, 2022

Spine Surgery Breakout Session

6:15 am Continental Breakfast and
Registration

7:30 am-10:00 am

*Moderators: Patrick C. Hsieh, MD,
John C. Liu, MD, Jeffrey C. Wang, MD,
Raymond J. Hah, MD, Mark J. Spoona-
more, MD, Thomas C. Chen, MD, PhD and
Kiran Alluri, MD*

Roundtable Discussion

1. My worse complication and how to
avoid/manage it
2. What I do now that I did not do in
fellowship
3. Interesting case presentation

EARN EXTRA CREDIT BY REVIEWING PRE-RECORDED TALKS

Hover your cell phone's camera over the
the QR Code below, and click the yellow
link to see the list of pre-recorded talks.
Earn 17 AMA PRA Category 1 Credits™ by
attending the conference from June 16-June
19. Review the pre-recorded talks on the list
and add 14 credits, for a maximum total of
up to 31 AMA PRA Category 1 Credits™.



PROGRAM AGENDA

Sunday, June 19, 2022

General Session:

Thoracolumbar Spine

Moderator: John C. Liu, MD

- 6:15 am Continental Breakfast and Registration
- 7:30 am Welcome and Introduction
John C. Liu, MD
- 7:35 am Which Fusion Technique to Select: ALIF, TLIF, LLIF
Mark J. Spoonamore, MD
- 8:00 am Spinal Deformity: How to Manage and Surgical Decisions
Thomas C. Chen, MD, PhD
- 8:25 am MIS SI Fusion: What Does the Data Tell Us?
John C. Liu, MD
- 8:50 am Endoscopic Spine Surgery
Kiran Alluri, MD
- 9:15 am Question and Answer Session
- 9:35 am Break
- 9:50 am Artificial Intelligence and Predictive Analytics in Spine Surgery
Kiran Alluri, MD
- 10:20 am Robotics and Navigation for Spine Surgery
John C. Liu, MD
- 10:45 am New Technologies: Interbody Devices and Carbon Fiber Fixation
Thomas C. Chen, MD, PhD
- 11:10 am Revision Spine Surgery/ Failed Back Surgery
Mark J. Spoonamore, MD
- 11:35 am Question and Answer Session
- 11:55 am Closing Remarks
John C. Liu, MD
- 12:00 pm Adjourn

Sunday, June 19, 2022

Rheumatology Breakout Session

Moderators: Francisco P. Quismorio, Jr., MD and Barry Shibuya, MD

- 6:15 am Continental Breakfast and Registration
- 7:30 am Lupus Review and Treatment
Francisco P. Quismorio, Jr., MD, MACR
- 8:00 am Alternative and CAM Therapies for Lupus
Leanna Wise, MD, MPH
- 8:25 am Fertility and Pregnancy Issues in Lupus Patients
Elizabeth Taylor-Albert, MD
- 8:55 am Break
- 9:10 am Lupus Discussion: Cases
Francisco P. Quismorio, Jr., MD, MACR, Leanna Wise, MD, MPH, Barry Shibuya, MD
- 9:40 am Advances in Gout and Pseudogout
Shuntaro Shinada, MD
- 9:55 am Biologics in RA
Glenn R. Ehresmann, MD
- 10:10 am Stump the Chump Hawaiian Style with an Emphasis on Back Pain Cases
Daniel G. Arkfeld, MD
- 10:40 am Question and Answer Session
- 11:00 am Adjourn

FACULTY

COURSE DIRECTORS

Keck Medicine of USC

Christopher C. Ornelas, MD

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

John C. Liu, MD

Professor of Neurological &
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USC Spine Center
Department of Neurological Surgery

Daniel G. Arkfeld, MD

Professor of Clinical Medicine
Division of Rheumatology
Department of Medicine

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KECK SCHOOL OF MEDICINE FACULTY

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Ronald Kall, MD

Clinical Assistant Professor of Medicine
Department of Medicine

Paul E. Kim, MD

Associate Professor of Clinical Radiology
Chief of Neuroradiology
Division of Neuroradiology
Department of Radiology

Justin M. Lantz, DPT

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

Darrin J. Lee, MD

Assistant Professor of
Clinical Neurological Surgery
Department of Neurological Surgery

**Francisco P. Quismorio, Jr., MD,
MACR, FACP**

Professor of Medicine and Pathology
Division of Rheumatology
Department of Medicine

Shuntaro Shinada, MD

Assistant Professor of Clinical
Medicine Division of Rheumatology
Department of Medicine

FACULTY

KECK SCHOOL OF MEDICINE FACULTY

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Gene Tekmyster, DO

Assistant Professor of
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USC Spine Center
Department of Orthopaedic Surgery

Leanna Wise, MD, MPH

Assistant Professor of Clinical Medicine
Division of Rheumatology
Department of Medicine

GUEST FACULTY

Laura W. Hatch, MD

Private Practice
Nonoperative Orthopaedics,
Musculoskeletal/Sports Medicine
Alban-Wertheimer Orthopaedic Group
Long Beach, CA

Barry Shibuya, MD

Associate Clinical Professor
John A. Burns School of Medicine
University of Hawai'i at Manoa
Honolulu, HI

Kristine Uramoto, MD

President
Hawaiian Rheumatology Society
Honolulu, HI

COURSE DESCRIPTION

The 2022 USC International Spine and Rheumatology Symposium is a course designed to provide innovative information to clinical practitioners regarding the management of spinal disorders and common rheumatological conditions that can affect the spine. Topics covered include the natural history of various spinal disorders; the diagnostic workup and imaging of spinal diseases; medical as well as surgical treatment of commonly encountered spinal diseases in the clinical setting; and the diagnosis and treatment of rheumatoid arthritis, psoriatic arthritis, ankylosing spondylitis and osteoporosis. The role of imaging of these disorders will also be reviewed. The educational format includes a series of didactic lectures, case studies, group discussions and question and answer sessions, allowing participants to enhance their understanding of diagnosing spinal disorders and rheumatological conditions to improve their clinical practices and patient care.

COURSE 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.
- Examine non-surgical management and medical treatment options for spinal diseases including advanced interventional techniques.
- Assess the data and efficacy of surgical treatment of various spinal disorders.
- Analyze new and novel treatment in rheumatic disorders.
- Discuss current guidelines in treating rheumatic disorders.
- Differentiate on a clinical basis from over 150 types of arthritis.
- Distinguish the pathophysiology of RA, SLE, gout, psoriatic arthritis and AS.
- Review new developments in the field of osteoporosis.

REGISTER FOR COURSE

Early registration and travel booking is advised. June is a busy season for Maui.

Online: keckusc.cloud-cme.com/spinerheum2022. Mastercard and Visa only.

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

Phone: (323) 442-2555

Fax: 1 (888) 665-8650 AMX, Mastercard or Visa.

Email: usccme@usc.edu

On site payment: Hyatt Regency Maui, Monarchy Ballroom Foyer, June 16, 7:00 am.

CURRENCY

All registration payments must be in U.S. currency. Personal checks, bank drafts, or money orders must be issued from U.S. banks. A \$25 fee will be applied to process payments submitted in other than U.S. dollars or when there is a disparity in the calculated rate of exchange.

STRICTLY ENFORCED

In order to provide a distraction-free environment optimized for learning, infants, children, or unregistered adults are not permitted in the meeting area at any time. Thank you for your understanding and cooperation.

TARGET AUDIENCE

The program was developed for physician assistants, physical therapists, occupational therapists, internists, family and general practice physicians, rheumatologists, neurologists, physiatrists, pain specialists, orthopedic surgeons, neurosurgeons, spine surgeons and allied health professionals.

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 up to 31 *AMA PRA Category 1 Credits™*. Physicians should claim only the credits 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 31 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 1.7 PT CEU.

HOTEL RESERVATIONS AND TRAVEL SERVICES

CONFERENCE LOCATION

Hyatt Regency Maui: 200 Nohea Kai Drive, Lahaina, Hawaii 96761-1985

Telephone Number: (808) 661-1234

Internet access is provided in the meeting room. Electrical outlet availability is limited.

HOTEL

Located on popular Ka'anapali Beach just a few miles from Lahaina, the Hyatt Regency Resort and Spa is one of Maui's leading luxury and meeting resorts. For complete travel information please visit the University Travel website: www.uschawaii.com.

NIGHTLY DISCOUNTED GROUP ROOM RATES:

Resort View: \$325

Deluxe Ocean View: \$375

Deluxe Ocean View with Regency Club, concierge : \$450

Please reserve early. These rates sell out quickly. Reservation requests received after May 12, 2022 will be accepted on a space and rate availability basis.

Online: www.uschawaii.com

Phone: Hyatt at (877) 803-7534
refer to the "USC Spine and Rheumatology" conference rate at the Hyatt Regency Maui

Travel Dates: Arrival Tuesday, June 14 or Wednesday, June 15. Check-out Monday, June 20 or Tuesday, June 21, 2022. Meeting dates are Thursday, June 16-Sunday, June 19. Rooms may be reserved at the group rate 3 days before and after main dates, subject to availability.

Includes complimentary resort fee and parking for all guests staying at the Hyatt on our group package (value of over \$50 per day). Tax of 17.42% not included and will be added to your room charges. Rates shown are for up to two persons in a room. Children 18 and under are free when using existing bedding (maximum occupancy is 4 per room). Additional adults are \$75 per night plus tax or \$125 for Regency Club.

DEPOSITS AND CANCELLATIONS

A two-night deposit (room rate and tax) is required at time of booking. The deposit is fully refundable 30 days prior to arrival. Cancellations made after that time are subject to a one night room and tax charge up until 8 days of arrival and 2 nights charge after that time.

RENTAL CARS, FLIGHTS AND TRAVEL ASSISTANCE

Please visit www.uschawaii.com for online reservations and specially discounted rental car rates for the conference. Maui's Kahalui Airport (OGG) is located 27 miles from the Hyatt Regency Maui, about 45 minutes by car. Hotel self-parking is included for members traveling on our official group rates.

REGISTRATION FORM

2022 USC International Spine and Rheumatology Symposium: June 16-19, 2022

Hyatt Regency Maui: 200 Nohea Kai Drive, Lahaina, Hawaii 96761-1985

COVID-19 GUIDELINES AND CANCELLATION POLICY

COVID-19 guidelines by the Centers for Disease Control, Los Angeles County and the University of Southern California will be strictly observed. If live attendance is discouraged as conference date approaches, registrants will receive a full refund. USC will not refund any travel costs incurred.

Registration cancellations not connected with COVID-19 must be emailed to the USC Office of CME by May 27, 2022 for a full refund to be issued. A \$50 cancellation fee will be applied. USC will not refund any travel costs incurred.

TUITION

Early-bird registration closes May 27, 2022, noon PDT.

Tuition does not include air travel and hotel accommodations.

\$999 MD/DO

\$899 NP/PA/RN/AH

\$70 Optional Printed Syllabus. Must be pre-ordered and paid by May 27, 2022.

Late registration fees after May 27, 2022, noon PDT (telephone only).

On-site registration available from June 16-19, 2022.

\$1,049 MD/DO

\$949 NP/PA/RN/AH

OPTIONAL GUEST BREAKFAST PASS

Daily breakfast at the conference is included for paid registered attendees only.

Breakfast pass for each guest who would like to accompany you to breakfast at the conference for the week (June 16-19). Non-refundable and must be purchased by May 27, 2022.

\$190 for adults

\$120 for children under age 10

REGISTRATION INFORMATION:

Name _____

Degree _____ Medical License Number _____

Specialty _____

Address _____

City _____ State _____ Zip Code _____

Phone Number _____

Email Address* _____

Institutional Affiliation _____

Special Dietary or Physical Needs _____

* Correspondence and confirmations are sent by email.

METHOD OF PAYMENT:

No cash accepted.

Check: Payable to USC. Check payment must be postmarked by June 9, 2022.

Credit Card: American Express (Fax), Mastercard or Visa (Online only)

Credit Card Number _____

Expiration Date _____ Security code _____

Authorized Signature _____ Amount \$ _____



Keck School of Medicine of USC

Office of Continuing Medical Education

1540 Alcazar Street, CHP 223

Los Angeles, CA 90033



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Non-Profit
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of Southern
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