5th Annual
Navigating Spine Care

October 15, 2016 • 7:00 AM – 4:00 PM
Hyatt Regency Monterey Hotel and Spa | Monterey, CA

A Continuing Medical Education Conference Presented by the Departments of Neurosurgery and Orthopaedics at the Stanford University School of Medicine.

Sponsored by the Stanford University School of Medicine

Statement of Need
This CME conference seeks to fulfill the need of primary care physicians, neurologists, physiatrists, and interested allied health practitioners to improve the fund of knowledge and to increase competence in evaluating, counseling, managing, and/or referring patients who present with spine complaints.

The course will include lectures and question & answer discussions, along with an opportunity for panel discussion.

Target Audience
This is a local/regional program, designed for:
- Physicians and advanced practice providers who manage patients with spine diseases and disorders
- Family Practice
- Primary Care
- Internal Medicine
- Neurology
- Physiatrists

Learning Objectives
At the conclusion of this activity, learners will be able to:
- Optimal counsel, diagnose, manage patients with the following spine conditions:
  - Osteoporosis
  - Low back and chronic pain
  - Sports related spine injuries
  - Adult deformities
  - Cervical myelopathy
  - Cervical radiculopathy
  - Lumbar stenosis
  - Spinal metastatic disease
- Determine appropriate patients to refer to spine specialists
- Order appropriate diagnostic imaging for spinal complaints
- Consider factors that impact safety and efficacy for patients presenting with spine conditions and determine when to refer to specialists

Conference Location
Hyatt Regency Monterey Hotel and Spa
1 Old Golf Course Rd, Monterey, CA 93940
Hotel phone: 831.372.1234
Hotel fax: 831.375.3960
monterey.hyatt.com

Directions
For driving directions and maps to the Hyatt Regency Monterey, please visit: monterey.hyatt.com.

For more information about Monterey, CA please visit: monterey.com

cme.stanford.edu

Accommodations
A block of guest rooms has been reserved at the special Stanford CME rate of $209/night (plus applicable taxes and fees). You are urged to make your reservations early. The cut-off date is September 17, 2016, or until the group room block is filled. After this date, rooms will be provided on a space-available basis only. To secure a reservation, visit resweb.passkey.com/go/StanfordJuniorUniv2016 or call 831.372.1234. Please identify yourself as a member of this Stanford CME conference to receive the special rate if you choose to reserve via phone.
Program

<table>
<thead>
<tr>
<th>TIME</th>
<th>TOPIC</th>
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<tbody>
<tr>
<td>7:00–8:00 AM</td>
<td>Registration and Light Breakfast</td>
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<tr>
<td>8:00–8:10 AM</td>
<td>Welcome and Announcements</td>
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<tr>
<td>8:10–8:40 AM</td>
<td>Imaging of the Spine for the Primary Care Physician Eric Tranvinh, MD</td>
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<tr>
<td>8:40–9:10 AM</td>
<td>Chronic Low Back Pain—Treatment Options</td>
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<td>Michael S. Leong, MD</td>
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<tr>
<td>9:10–9:40 AM</td>
<td>Treatment of Chronic Pain and Psychological Ramifications</td>
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<td>Ravi Prasad, PhD</td>
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<tr>
<td>9:40–10:00 AM</td>
<td>Break</td>
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<tr>
<td>10:00–10:30 AM</td>
<td>Contemporary Management of Osteoporosis</td>
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<td>Aimee D. Shu, MD</td>
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<tr>
<td>10:30–11:00 AM</td>
<td>Epidural Steroid Injections: The Good, the Bad, and the Ugly</td>
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<td>Joshua Levin, MD</td>
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<tr>
<td>11:00–11:30 AM</td>
<td>The Misunderstood Sacro-Iliac Joint</td>
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<td>Tala Khalaf, DPT, OMPT, OCS</td>
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<td>11:30–12:00 PM</td>
<td>Adult Spinal Deformity</td>
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<td>Kirkham B. Wood, MD</td>
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<td>12:00–12:40 PM</td>
<td>Lunch</td>
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<tr>
<td>12:40–1:10 PM</td>
<td>Treatment of Cervical Myelopathy</td>
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<td>Serena S. Hu, MD, John Ratliff, MD, FACS</td>
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<td>1:10–1:40 PM</td>
<td>Cervical Radiculopathy</td>
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<td>Todd Alamin, MD</td>
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<td>1:40–2:10 PM</td>
<td>Treatment Options for Spinal Metastatic Disease</td>
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<td>Atman Desai, MD</td>
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<td>2:10–2:30 PM</td>
<td>Break</td>
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<tr>
<td>2:30–3:00 PM</td>
<td>Fusion Versus Decompression for Lumbar Stenosis Anand Veeravagu, MD</td>
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<td>3:00–3:30 PM</td>
<td>Advances in Minimally Invasive Spine Surgery</td>
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<td>Ivan Cheng, MD</td>
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<td>3:30–4:00 PM</td>
<td>Case Review</td>
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<td>All Faculty</td>
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<td>4:00 PM</td>
<td>Adjourn</td>
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Program subject to change. Opportunities for Q&A will be provided at the conclusion of each presentation.

Faculty
All faculty are with the Stanford University School of Medicine unless otherwise noted.

Course Director:
John Ratliff, MD, FACS
Associate Professor, Vice Chair, Operations and Development, Department of Neurosurgery

Course Co-Director:
Serena S. Hu, MD
Professor, Chief, Spine Service, Department of Orthopaedic Surgery

Stanford Faculty:
Todd Alamin, MD
Associate Professor, Department of Orthopaedic Surgery

Ivan Cheng, MD
Associate Professor, Department of Orthopaedic Surgery

Atman Desai, MD
Clinical Assistant Professor, Department of Neurosurgery

Maziyar A. Kalani, MD
(Retriever) Neurosurgery Resident

Tala Khalaf, DPT, OMPT, OCS
Senior Physical Therapist, Ortho-Sports Outpatient Physical Therapy, Stanford Health Care

Michael S. Leong, MD
Clinical Assistant Professor, Department of Orthopaedic Surgery

Joshua Levin, MD
Clinical Assistant Professor, Department of Anesthesiology

Ravi Prasad, PhD
Clinical Assistant Professor, Department of Anesthesiology, Perioperative and Pain Medicine

Aimee D. Shu, MD
Clinical Assistant Professor, Medicine-Endocrinology, Gerontology, & Metabolism

Eric Tranvinh, MD
Clinical Instructor, Department of Radiology

Anand Veeravagu, MD
Assistant Professor, Department of Neurosurgery

Kirkham B. Wood, MD
Professor, Department of Orthopaedic Surgery

Registration
Registration fee includes course materials, certificate of participation, light breakfast, and lunch.

Register online with a Visa or Master Card by visiting cme.stanford.edu/spine. Be sure to include an email address that you check frequently. Your email address is used for critical information, including registration confirmation, evaluation, and certificate.

If you prefer to pay by check or need assistance, please call 650.497.8554 or email ycervant@stanford.edu

All Practitioners:

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<tr>
<th>Early Bird Discount</th>
<th>After October 1, 2016</th>
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<td>$175</td>
<td>$225</td>
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Cancellation Policy
Cancellations received in writing no less than 30 days before the course will be refunded, less a 20% administrative fee. No refunds will be made on cancellations received after that date. Please send cancellation requests to stanfordcme@stanford.edu

Stanford University School of Medicine reserves the right to cancel this program; in the event of cancellation, course fees will be fully refunded.

Contact
For questions about the symposium, please contact Yolanda Cervantes, CME Conference Coordinator, at 650.724.9549 or email ycervant@stanford.edu

Stanford Center for Continuing Medical Education
1520 Page Mill Road • Palo Alto, CA 94304
Phone: 650.497.8554
Email: stanfordcme@stanford.edu
Web: cme.stanford.edu

Stanford University School of Medicine is committed to ensuring that its programs, services, goods and facilities are accessible to individuals with disabilities as specified under Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Amendments Act of 2008. If you have needs that require special accommodations, including dietary concerns, please contact the CME Conference Coordinator.

Faculty Disclosure
The Stanford University School of Medicine adheres to ACCME Criteria, Standards and Policies regarding industry support of continuing medical education. Disclosure of faculty and their commercial relationships will be made prior to the activity.

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

Credit Designation
The Stanford University School of Medicine designates this live activity for a maximum of 6.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California Board of Registered Nursing recognizes that Continuing Medical Education (CME) is acceptable for meeting RN continuing education requirements; as long as the course is certified for AMA PRA Category 1 Credit™ (in any form). Nurses will receive a Certificate of Participation following this activity that may be used for license renewal.

Commercial Support
Acknowledgement
This CME activity is supported in part by educational grants (and/or in-kind support). A complete list of commercial supporters will be published in the course syllabus.