



CSRS 20th Instructional Course
Wed, December 2, 2015
Manchester Grand Hyatt
San Diego, CA

PROGRAM CHAIR
Louis G. Jenis, MD

PROGRAM COMMITTEE
Christopher P. Ames, MD
Paul M. Arnold, MD
Jonathan N. Grauer, MD
Samuel K. Cho, MD

**Cervical Trauma - Tumor, Cervical Deformity, Database Research,
Challenging Cases and Surgical Techniques**

7:20 – 7:30 am Welcome and Introduction

Louis G. Jenis, MD

SESSION I

CERVICAL TRAUMA / TUMOR

Moderator: Louis G. Jenis, MD

7:30 – 7:45 am

Cervical Facet Dislocation

Neill M. Wright, MD

7:45 – 8:00 am

Cervical Incomplete SCI – Timing of Surgery

Alpesh A. Patel, MD

8:00 – 8:15 am

Clearing of the Cervical Spine

Sheeraz A. Qureshi, MD, MBA

8:15 – 8:30 am

Discussion

8:30 – 8:40 am

Geriatric Odontoid Fractures

John M. Rhee, MD

8:40 – 8:50 am

Hangman's Fracture

Carlo Bellabarba, MD

8:50 – 9:00 am

Discussion

9:00 – 9:10 am

Metastatic Epidural Cervical Spinal Cord Compression

Michael G. Fehlings, MD, PhD

9:10 – 9:20 am

Cervicothoracic Metastatic Disease

John K. Houten, MD

9:20 – 9:30 am

Discussion

9:30 – 10:00 am

BREAK

SESSION II

CERVICAL DEFORMITY

Moderator: Christopher P. Ames, MD

10:00 – 10:10 am

Update on Assessment of Cervical Alignment

Virginie C. Lafage, PhD

10:10 – 10:20 am

Update on Recent State of the Art Literature on
Cervical Deformity Last 1 – 2 Years and Future

Themistocles S. Protopsaltis, MD

10:20 – 10:30 am

Correction of Mid Cervical Flexible Deformity (video)

Joseph R. O'Brien, MD, MPH

10:30 – 10:40 am

Correction of Mid Cervical Rigid Deformity (video)
(Mid Cervical Anterior Osteotomy)

Robert A. Hart, MD

10:40 – 10:55 am

Discussion

10:55 – 11:05 am

Correction of Chin on Chest/Rigid Neck Drop (video)

Sang-Hun Lee, MD

11:05 – 11:15 am

Treatment of Upper Thoracic Proximal Junctional Kyphosis -
When to Operate, How High to go, When is Upper Thoracic
PSO for Sagittal Deformity Indicated

Ronald A. Lehman, Jr. MD

11:15 – 11:25 am

When Cervical Deformity Need Osteotomy Elsewhere First

Christopher I. Shaffrey, MD

11:25 – 11:35 am

Complication Prevention: Rod Fractures, DJK. Neurological
Deficit after Cervical Deformity Surgery

Justin S. Smith, MD, PhD

11:35 – 11:45 am

Discussion

11:45 am – 12:45 pm

LUNCH

SESSION III**NATIONAL DATABASE RESEARCH**

Moderator: Jonathan N. Grauer, MD

12:45 – 12:55 pm	Introduction: What Databases are in Use and How They are Constructed	Kern Singh, MD
12:55 – 1:05 pm	What are the Advantages and Limitations of Different Data Types	Andrew J. Pugely, MD
1:05 – 1:15 pm	Statistical Overview	Daniel D. Bohl, MD
1:15 – 1:25 pm	Examples of Two Contrasting Studies	Andrew M. Samuel, BBA
1:25 – 1:45 pm	Discussion	

SESSION IV**CHALLENGING CASES/DEBATES IN CERVICAL SPINE SURGERY**

Moderator: Paul M. Arnold, MD

1:45 – 2:00 pm	Management of Neurologically Intact patient with Cervical Epidural Abscess	Jason C. Eck, DO
2:00 – 2:15 pm	Surgical Options for Three-Level Cervical Myelopathy	Wellington K. Hsu, MD
2:15 – 2:30 pm	Early vs. Late Decompression for Central Cord Syndrome	David H. Kim, MD
2:30 – 2:45 pm	Management of Adjacent Segment Disease: ACF vs. Arthroplasty	Bruce V. Darden, II, MD
2:45 – 3:00 pm	Identification and Management of Vertebral Artery Injury Associated with Cervical Trauma	Peter G. Whang, MD
3:00 – 3:30 pm	BREAK	

SESSION V**SURGICAL TECHNIQUES/DECISION-MAKING IN CERVICAL SPINE SURGERY**

Moderator: Samuel K. Cho, MD

3:30 – 3:45 pm	Persistent Neck Pain after Surgery: Pseudoarthrosis vs. Adjacent Segment Disease	Steven C. Ludwig, MD
3:45 – 4:00 pm	Chronic Myelopathy with Inadequate Surgical Decompression	Timothy A. Garvey, MD
4:00 – 4:15 pm	Cervico-Thoracic Junction Pathology – Radiculopathy	Akihito Minamide, MD, PhD
4:15 – 4:30 pm	Latrogenic Cervical Sagittal Plane Deformity Following Surgery	Dong-Ho Lee, MD, PhD
4:30 pm	ADJOURN	
4:30 – 6:00 pm	Networking Reception	Faculty, Exhibitors and Attendees

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Some drugs or medical devices demonstrated at this course may not have been cleared by the FDA or have been cleared by the FDA for specific purposes only. The FDA has stated that it is the responsibility of the physician to determine the FDA clearance of each drug or medical device he or she wishes to use in medical practice.

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Each presentation in which the FDA has not cleared the drug and/or medical device for the use described (i.e., the drug or medical is being discussed for an “off label” use is noted with an (*) in this scheduled.

CME Information:

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Academy of Orthopaedic Surgeons and Cervical Spine Research Society. The American Academy of Orthopaedic Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

The **American Academy of Orthopaedic Surgeons (AAOS)** designates this live activity for a maximum of 7.25 **AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity. .

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