

CERVICAL SPINE RESEARCH SOCIETY



FOUNDED 1973

CSRS 15th Instructional Course
Wednesday, December 1, 2010
The Westin Charlotte – Charlotte, NC
PROVIDENCE BALLROOM

PROGRAM CHAIR

Jeffrey C. Wang, MD

PROGRAM COMMITTEE

Randy F. Davis, MD

James S. Harrop, MD

Rick Sasso, MD

**Surgical Techniques, Cervical Deformity, Adjacent
Segment Disease and Cervical Myelopathy**

7:30 – 7:40 am Introduction & Welcome Jeffrey C. Wang, MD

SESSION I

SURGICAL TECHNIQUES

Speakers will describe surgical technique and show video demonstration of the procedure

Moderator: Jeffrey C. Wang, MD

7:45 – 8:00 am	Endoscopic Odontoidectomy	Christopher Ames, MD
8:00 – 8:15 am	A New Cervical Reconstruction Technique: Anterior Cervical Pedicle Screw and Plate Fixation using Fluoroscope-assisted Pedicle Axis View Imaging	Yasutsugu Yukawa, MD
8:15 – 8:30 am	Open Door Laminoplasty Technique	John G. Heller, MD
8:30 – 8:45 am	Management of Injury of the Vertebral Artery during Surgery	Kuniyoshi Abumi, MD
8:45 – 9:00 am	C1 Lateral Mass/C2 Laminar Screw Fixation for Posterior Atlantoaxial Fusion	Rick C. Sasso, MD
9:00 – 9:15 am	Cervical Pedicle Screw Fixation	Sang Hun Lee, MD
9:15 – 9:30 am	Repair of Anterior Cervical CSF Fistulas	Nancy Epstein, MD
9:30 – 9:45 am	Pedicle Subtraction Osteotomy	Alan S. Hilibrand, MD
9:45 – 10:00 am	BREAK	

SESSION II

MANAGEMENT OF CERVICAL DEFORMITY

Moderator: Randy F. Davis, MD

10:00 – 10:20 am	Overview: Coronal & Sagittal Deformity; Causes, Natural History; Clinical & Radiographic Evaluations	Thomas E. Mroz, MD
10:21 – 10:41 am	Biomechanics of Cervical Deformity: Principles, How to Determine Levels of Fusion	Edward C. Benzel, MD
10:42 – 11:02 am	Surgical Treatment Options: Ventral vs. Dorsal vs. Combined & Indications for Each Approach	Robert A. Hart, MD
11:03 – 11:23 am	Evidence Based Literature Review of Treatment Options	Michael C. Gerling, MD
11:24 – 11:44 am	Case Presentations & Debate: C7 PSO, Complete Lateral Release for Kyphosis Correction	K. Daniel Riew, MD
11:45 – 12:00 pm	Discussion	
12:00 – 1:00 pm	LUNCH	

Instructional Course (continued)

SESSION III

ADJACENT SEGMENT DISEASE

Moderator: James S. Harrop, MD

1:00 – 1:05 pm	Overview: Adjacent Level Disease vs. Degeneration – Is There a Difference?	Alan S. Hilibrand, MD
1:06 – 1:18 pm	Debate: Nature vs. Nurture: Adjacent Level Disease is the Natural History of Spine	John M. Rhee, MD
1:19 – 1:31 pm	Debate: Nature vs. Nurture: Adjacent Level Disease is Only Due to Surgical Intervention	Timothy A. Garvey, MD
1:32 - 1:35 pm	Rebuttal	John M. Rhee, MD
1:36 - 1:39 pm	Rebuttal	Timothy A. Garvey, MD
1:40 – 1:50 pm	Adjacent Level Disease is Due to Improper Sagittal Alignment	Louis G. Jenis, MD
1:51 – 2:01 pm	Adjacent Level Disease is Due to Technical Surgical Issues: Iatrogenic Causes, Violation of Facets, Ossification of All	Seth Zeidman, MD
2:02 – 2:12 pm	Non-Operative Management of Adjacent Level Disease – Is There a Place?	Jeffrey D. Coe, MD
2:13 – 2:23 pm	Incidence of Adjacent Level Disease with Foraminotomy	Alpesh A. Patel, MD
2:24 – 2:34 pm	Incidence of Adjacent Level Disease with ACDF	Andrew Cappuccino, MD
2:35 – 2:45 pm	Is Arthroplasty the Answer for Adjacent Level Disease?	Jens R. Chapman, MD
2:46 – 3:00 pm	Discussion	
3:00 – 3:30 pm	BREAK	

SESSION IV

CERVICAL MYELOPATHY

presented by CSRS and the AANS/CNS Joint Section of the Disorders of the Spine and Peripheral Nerves

Moderator: Rick C. Sasso, MD

3:30 – 3:40 pm	Pathophysiology of Myelopathy	Gregory R. Trost, MD
3:40 – 3:50 pm	Myelopathy at the CVJ	Rick C. Sasso, MD
3:50 – 4:00 pm	Subaxial Myelopathy: Anterior Treatment Strategies	Michael G. Kaiser, MD,FACS
4:00 – 4:10 pm	Subaxial Myelopathy: Posterior Treatment Strategies	Michael Y. Wang, MD
4:10 – 4:20 pm	Myelopathy and CT Junction	Jacob M. Buchowski, MD
4:20 – 4:30 pm	Why OPLL is Special	Vincent C. Traynelis, MD
4:30 – 4:40 pm	Imaging & Myelopathy	Eric W. Nottmeier, MD
4:40 – 4:50 pm	When is a Second Procedure Indicated?	Joseph S. Cheng, MD, MS
4:50 – 5:30 pm	Case Presentations & Discussion	
5:30 pm	ADJOURN	

Program Objectives:

- Review appropriate anatomy and biomechanics of the cervical spine
- Compare the methods for diagnosis of neck disorders
- Evaluate operative and non-operative treatment options for cervical spine disorders
- Recognize and respond to complications of surgical treatment
- Exchange information on cervical spine research, diagnosis and treatment with both US and international surgeons