



CSRS 14th Instructional Course
Wednesday, December 2, 2009
The Grand America Hotel – Salt Lake City
Imperial Ballroom

PROGRAM CHAIR
 Jeffrey C. Wang, MD

PROGRAM COMMITTEE
 Randy F. Davis, MD
 Robert F. Heary, MD
 Rick Sasso, MD

**Surgical Techniques, Complications, Cervical
 Arthroplasty & Osteobiologics**

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	Description of ACDF and Corpectomy Techniques	John M. Rhee, MD
8:00 – 8:15 am	Procedure for Ankylosing Spondylitis & Latrogenic Kyphosis	K. Daniel Riew, MD
8:15 – 8:30 am	Laminoplasty – Open Technique	John G. Heller, MD
8:30 – 8:45 am	Subaxial Cervical Pedicle Screw Placement	Kuniyoshi Abumi, MD
8:45 – 9:00 am	C2 Translaminar Screw Fixation: A Critical Review	Neill M. Wright, MD
9:00 – 9:15 am	Indication & Technique for Mid Cervical Kyphosis Correction/ Osteotomies at level of Vertebral Artery	Christopher Ames, MD
9:15 – 9:30 am	Occipital Cervical & C1-C2 Intraoperative Reduction Technique	Ziya L. Gokaslan, MD
9:30 – 10:00 am	BREAK	

SESSION II COMPLICATIONS

Moderator: Robert F. Heary, MD

10:00 – 10:08 am	Postoperative Cervical Infections	Steven C. Ludwig, MD
10:08 – 10:16 am	Esophageal Injuries in Anterior Cervical Surgery	Alpesh Patel, MD
10:16 – 10:24 am	Cerebrospinal Fluid Fistula Management in Cervical Spine Surgery	Nancy Epstein, MD
10:24 – 10:32 am	Upper Airway Complications following Anterior C-Reconstruction	Sanford E. Emery, MD, MBA
10:32 – 10:40 am	Discussion	
10:40 – 10:48 am	The Vertebral Artery and Anterior Surgery	Richard Saunders
10:48 – 10:56 am	Anterior Pseudarthrosis	John G. Heller, MD
10:56 – 11:04 am	Complications in Treatment of Cervical Spine Metastases	Alan M. Levine, MD

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

Instructional Course (continued)

11:04 – 11:12 am	Management of Complications from a Failed Cranio-Cervical Decompression	Ronald I. Apfelbaum, MD
11:12 – 11:20 am	Discussion	
11:20 – 11:28 am	Pediatric Cervical Spine Stabilization: Techniques and Complication	Steven M. Mardjetko, MD
11:28 – 11:36 am	Complications of Cervical Fractures in Ankylosing Spondylitis	William F. Donaldson, III, MD
11:36 – 11:44 am	Management of a Difficult Odontoid Fracture	Ronald I. Apfelbaum, MD
11:44 – 11:52 am	Cervical Cord Concussions in the NFL	Craig D. Brigham, MD
11:52 – 12:00 pm	Discussion	
12:00 – 1:00 pm	LUNCH	

SESSION III CERVICAL ARTHROPLASTY

Moderator: Rick C. Sasso, MD

1:00 - 1:15 pm	Overview: What is Out There?	Todd J. Albert, MD
1:15 - 1:30 pm	Biomechanics of Cervical Disc Arthroplasty: What are the Differences between Types of Disc Replacements in Terms of Degree of Constraint and Manner they are Implanted?	Bruce V. Darden, II, MD
1:30 - 1:45 pm	What are the Differences between Types of Disc Replacements in Terms of Wear Characteristics, Materials and Tribology?	Paul A. Anderson, MD
1:45 - 2:00 pm	What have the IDE Studies shown Us? Cervical Arthroplasty IDE Trials: Truths and Unknowns	John M. Rhee, MD
2:00 - 2:15 pm	Results of a National Registry for Cervical Disc Replacement	Max Aebi, MD, FRCSC
2:15 - 2:30 pm	Complication Avoidance and Management	K. Daniel Riew, MD
2:30 - 2:45 pm	Future of TDR: Advanced Indications	Frank M. Phillips, MD
2:45 - 3:00 pm	Discussion	
3:00 - 3:30 pm	BREAK	

SESSION IV OSTEOBIOLOGICS FOR THE CERVICAL SPINE

Moderator: Randy F. Davis, MD

3:30 – 4:00 pm	Indications for Autograft vs. Allograft: Review of Autograft vs. Allograft in Anterior Cervical Procedures	Jamie Baisden, MD
4:00 – 4:30 pm	Indications for Peek vs. Allograft: Cervical Interbody Devices - Does Material Matter?	Alpesh Patel, MD
4:30 – 5:00 pm	Additions to the IB Spacer: Current Technology and Future Developments in Osteobiologics	Seth Zeidman, MD
5:00 – 5:30 pm	Indications & Contraindications of BMP in the Cervical Spine: BMP in Cervical Spine: Truth & Consequence	Hyun W. Bae, MD
5:30 pm	ADJOURN	

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