

CSRS 20th Instructional Course

SESSION I: CERVICAL TRAUMA/TUMOR

[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](#)

[8:30 – 8:40 am **Geriatric Odontoid Fractures** ~ John M. Rhee, MD](#)

[8:40 – 8:50 am **Hangman’s Fracture** ~ Carlo Bellabarba, MD](#)

[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](#)

SESSION II: Cervical Deformity

[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** ~ Joseph R. O’Brien, MD, MPH](#)

[10:30 – 10:40 am **Correction of Mid Cervical Rigid Deformity \(Mid Cervical Anterior Osteotomy\)** ~ Robert A. Hart, MD](#)

[10:55 – 11:05 am **Correction of Chin on Chest/Rigid Neck Drop** ~ 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](#)

SESSION III: National Database Research *(encompassing all four presentations)*

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** ~ Andre M. Samuel, BBA

SESSION IV: Challenging Cases/Debates in Cervical Spine Surgery

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

SESSION V: Surgical Techniques/Decision-Making in Cervical Spine Surgery

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