



CSRS 24th Instructional Course
 Wednesday, November 20, 2019
 New York Marriott Marquis, New York, New York

Program Chair
 Michael D. Daubs, MD

Program Committee
 Paul M. Arnold, MD; Wayne K. Cheng, MD; Clinton J. Devin, MD; John C. France, MD; Michael C. Gerling, MD; Steven S. Hughes, MD; Douglas G. Orndorff, MD; Kristen E Radcliff, MD; Gregory Schroeder, MD; Neill M. Wright, MD

Instructional Course Program

7:45 – 7:49 am Welcome and Introduction Michael D. Daubs, MD

SESSION I Trauma
 Moderator: John France, MD

7:50 – 7:51 AM	Introduction by Moderator	John France, MD
7:52 – 7:53 AM	Case 1: Occipitocervical dissociation- Presentation	John France, MD
7:54 – 8:03 AM	Case 1: Occipitocervical dissociation- Discussion	Panel Faculty
8:04 – 8:08 AM	Case 1: Occipitocervical dissociation- Literature Review	Carlo Bellabarba, MD
8:09 – 8:13 AM	Case 1: Occipitocervical dissociation- Conclusion	Panel Faculty
8:14 – 8:15 AM	Case 2: Hangmann’s fracture- Presentation	John France, MD
8:16 – 8:25 AM	Case 2: Hangmann’s fracture- Discussion	Panel Faculty
8:26 – 8:30 AM	Case 2: Hangmann’s fracture- Literature Review	Brandon Lawrence, MD
8:31 - 8:35 AM	Case 2: Hangmann’s fracture - Conclusion	Panel Faculty
8:36 – 8:37 AM	Case 3: Ankylosed spine fracture- Presentation	John France, MD
8:38 – 8:47 AM	Case 3: Ankylosed spine fracture- Discussion	Panel Faculty
8:48 – 8:52 AM	Case 3: Ankylosed spine fracture- Literature Review	Timothy Moore, MD
8:53 – 8:58 AM	Case 3: Ankylosed spine fracture- Conclusion	Panel Faculty

SESSION II Degenerative Cervical Disorders
 Moderator: Paul Anderson, MD

8:59 – 9:05 AM	Pseudoarthrosis of ACDF how to workup and treat- Diagnosis and cause, workup, patient optimization, patient selection and outcomes	Clint Devin, MD
9:06 – 9:07 AM	Pseudoarthrosis of ACDF how to workup and treat- Case presentation 2 level ACDF with symptomatic nonunion	Clint Devin, MD
9:08 – 9:14 AM	Pseudoarthrosis of ACDF how to workup and treat- Anterior approach is best	Wellington Hsu, MD
9:15 – 9:21 AM	Pseudoarthrosis of ACDF how to workup and treat- Posterior approach is best	Mohamad Bydon, MD
9:22 – 9:31 AM	Discussion	Panel Faculty
9:32 – 9:38 AM	Failed Disc arthroplasty- Diagnosis, workup, imaging	Jason Savage, MD
9:39 – 9:40 AM	Failed Disc arthroplasty- Case Presentation of Failed CDA with images/exam	Douglas Orndorff, MD
9:41 – 9:47 AM	Failed Disc arthroplasty- Anterior Approach for Revision with either new disc replacement/ACDF	Pierce Nunley, MD
9:48 – 9:54 AM	Failed Disc arthroplasty- Combined anterior/posterior approach, or just posterior approach	Domagoj Coric, MD, FAANS
9:55 – 10:05 AM	Discussion	Panel Faculty



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3:09 – 3:39 PM	Break	
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SESSION III

Complications

Moderators: Paul Arnold, MD, and Steven S. Hughes, MD

10:37 – 10:40 AM	New post-operative deficit	John France, MD
10:41 – 10:50 AM	Discussion	Panel Faculty
10:51 – 10:54 AM	Post-operative epidural hematoma	Jacob Buchowski, MD, MS
10:55 – 11:04 AM	Discussion	Panel Faculty
11:05 – 11:08 AM	C5 palsy	Bruce Darden, MD
11:09 – 11:18 AM	Discussion	Panel Faculty
11:19 – 11:22 AM	Vertebral artery injury	Paul Anderson, MD
11:23 – 11:32 AM	Discussion	Panel Faculty
11:33 – 11:36 AM	Dural tear anterior/posterior	Carlo Bellabarba, MD
11:37 – 11:47 AM	Discussion	Panel Faculty

11:48 – 12:48 PM	Lunch	
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SESSION IV

Decision Making and Dilemmas

Moderators: Kristen E. Radcliff, MD, and Neill M. Wright, MD

12:49 – 12:56 PM	Myelomalacia/cord compression without clinical findings	W. Ryan Spiker, MD
12:57 – 1:04 PM	Cervical stenosis with mild clinical findings	Langston Holly, MD, FAANS
1:05 – 1:12 PM	Lumbar patient with cervical myelopathy on exam	Michael Kelly, MD
1:13 – 1:22 PM	Discussion	Panel Faculty
1:23 – 1:30 PM	Fusion evaluation with metal interbody implants	Han Jo Kim, MD
1:31 – 1:38 PM	A review of the clinical research on various cellular biologics	Harvey Smith, MD
1:39 – 1:46 PM	Role of neurophysiology monitoring in cervical spine surgery- update on medicolegal state- standard or option	Vincent Traynelis, MD
1:47-1:57 PM	Discussion	Panel Faculty

SESSION V

New Technologies/Innovation

Moderators: Wayne K. Cheng, MD, and Michael C. Gerling, MD

1:58 – 2:05 PM	Focus on Adjacent Segment Disease: Biomechanics, Bioscience, Prevalence studies	Peter Passias, MD
2:06 – 2:07 PM	Case Presentation I: "Two level cervical disk herniation in young adult"	Michael Gerling, MD
2:08 – 2:17 PM	2-Level TDR is the best option as it minimizes ASD	Alpesh Patel, MD, FACS

