FORTY-SEVENTH ANNUAL MEETING

IH

OF THE



FOUNDED 1973

November 20, 2019

The Marriott Marquis New York City, NY

Education Committee Chair Michael D. Daubs, MD

Education 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

President Alexander Vaccaro, MD, PhD, MBA

CSRS 24th Instructional Course

Course Objectives:

- Review appropriate anatomy 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.

WEDNESDAY, NOVEMBER 20

Broadway Ballroom, 6th Floor

7:45 am - 7:49 am	Welcome and Introduction Michael D. Daubs, MD
7:50 am - 8:58 am	SESSION I: Trauma Moderator: John France, MD
7:50 am - 7:51 am	Introduction by Moderator John France, MD
7:52 am - 7:53 am	CASE 1 OcciptoCervical Dissociation- Presentation John France, MD
7:54 am - 8:03 am	OcciptoCervical Dissociation- Discussion Panel Faculty
8:04 am - 8:08 am	OcciptoCervical Dissociation- Literature Review Carlo Bellabarba, MD
8:09 am - 8:13 am	OcciptoCervical Dissociation- Conclusion Panel Faculty
8:14 am - 8:15 am	CASE 2 Hangmann's Fracture- Presentation John France, MD
8:16 am - 8:25 am	Hangmann's Fracture- Discussion Panel Faculty
8:26 am - 8:30 am	Hangmann's Fracture- Literature Review Brandon Lawrence, MD
8:31 am - 8:35 am	Hangmann's Fracture – Conclusion Panel Faculty
	CASE 3
8:36 am - 8:37 am	Ankylosed Spine Fracture- Presentation John France, MD
8:38 am - 8:47 am	Ankylosed Spine Fracture- Discussion Panel Faculty
8:48 am - 8:52 am	Ankylosed Spine Fracture- Literature Review Timothy Moore, MD
8:53 am - 8:58 am	Ankylosed Spine Fracture- Conclusion Panel Faculty
8:59 am - 10:05 am	SESSION II: Degenerative Cervical Disorders Moderator: Paul Anderson, MD
8:59 am - 9:05 am	Pseudoarthrosis of ACDF How to Workup and Treat- Diagnosis and Cause, Workup, Patient optimization, Patient selection and outcomes <i>Clint Devin, MD</i>

INSTRUCTIONAL COURSE SCHEDULE

WEDNESDAY, NOVEMBER 20

Broadway Ballroom, 6th Floor

9:06 am - 9:07 am	Pseudoarthrosis of ACDF How to Workup and Treat- Case Presentation 2 Level ACDF with Symptomatic Nonunion <i>Clint Devin, MD</i>
9:08 am - 9:14 am	Pseudoarthrosis of ACDF How to Workup and Treat- Anterior Approach Is Best <i>Wellington Hsu, MD</i>
9:15 am - 9:21 am	Pseudoarthrosis of ACDF How to Workup and Treat- Posterior Approach Is Best <i>Mohamad Bydon, MD</i>
9:22 am - 9:31 am	Discussion Panel Faculty
9:32 am - 9:38 am	Failed Disc Arthroplasty- Diagnosis, Workup, Imaging Jason Savage, MD
9:39 am - 9:40 am	Failed Disc Arthroplasty- Case Presentation of Failed CDA with Images/Exam <i>Douglas Orndorff, MD</i>
9:41 am - 9:47 am	Failed Disc Arthroplasty- Anterior Approach for Revision with Either New Disc Replacement/ACDF <i>Pierce Nunley, MD</i>
9:48 am - 9:54 am	Failed Disc Arthroplasty- Combined Anterior/Posterior Approach, or Just Posterior Approach <i>Domagoj Coric, MD, FAANS</i>
9:55 am - 10:05 am	Discussion Panel Faculty
10:06 am - 10:36 am	Exhibit Hall, Westside Ballroom, 5th Floor Break
10:37 am - 11:47 am	SESSION III: Complications Moderators: Paul Arnold, MD, and Steven S. Hughes, MD
10:37 am - 10:40 am	New Post-Operative Deficit John France, MD
10:41 am - 10:50 am	Discussion Panel Faculty
10:51 am - 10:54 am	Post-Operative Epidural Hematoma Jacob BucHowski, MD, MS
10:55 am - 11:04 am	Discussion Panel Faculty
11:05 am - 11:08 am	C5 Palsy Bruce Darden, MD
11:09 am - 11:18 am	Discussion Panel Faculty

WEDNESDAY, NOVEMBER 20

11:19 am - 11:22 am	Vertebral Artery Injury Paul Anderson, MD
11:23 am - 11:32 am	Discussion Panel Faculty
11:33 am - 11:36 am	Dural Tear Anterior/Posterior Carlo Bellabarba, MD
11:37 am - 11:47 am	Discussion Panel Faculty
11:48 am - 12:48 pm	Exhibit Hall, Westside Ballroom, 5th Floor Lunch
12:49 pm - 1:57 pm	SESSION IV: Decision Making and Dilemmas Moderators: Kristen E. Radcliff, MD, and Neill M. Wright, MD
12:49 pm - 12:56 pm	Myelomalacia/Cord Compression without Clinical Findings W. Ryan Spiker, MD
12:57 pm - 1:04 pm	Cervical Stenosis with Mild Clinical Findings Langston Holly, MD, FAANS
1:05 pm - 1:12 pm	Lumbar Patient with Cervical Myelopathy On Exam Michael Kelly, MD
1:13 pm - 1:22 pm	Discussion Panel Faculty
1:23 pm - 1:30 pm	Fusion Evaluation with Metal Interbody Implants Han Jo Kim, MD
1:31 pm - 1:38 pm	A Review of the Clinical Research on Various Cellular Biologics Harvey Smith, MD
1:39 pm - 1:46 pm	Role of Neurophysiology Monitoring in Cervical Spine Surgery- Update on Medicolegal State- standard or Option <i>Vincent Traynelis, MD</i>
1:47 pm - 1:57 pm	Discussion Panel Faculty
1:58 pm - 3:08 pm	SESSION V: New Technologies/Innovation Moderators: Wayne K. Cheng, MD, and Michael C. Gerling, MD
1:58 pm - 2:05 pm	Focus on Adjacent Segment Disease: Biomechanics, Bioscience, Prevalence Studies Peter Passias, MD
2:06 pm - 2:07 pm	Case Presentation I: "Two Level Cervical Disk Herniation in Young Adult." <i>Michael Gerling, MD</i>
2:08 pm - 2:17 pm	2-Level TDR Is the Best Option As It Minimizes ASD Alpesh Patel, MD, FACS

INSTRUCTIONAL COURSE SCHEDULE

WEDNESDAY, NOVEMBER 20

Broadway Ballroom, 6th Floor

2:18 pm - 2:27 pm	2-Level ACDF Is the Most Reliable Option John Rhee, MD
2:28 pm - 2:37 pm	2- Level Hybrid Constructs Are the Best of Both Worlds K. Daniel Riew, MD
2:38 pm - 2:45 pm	Stretching Indications for TDR, Failures and How to Avoid Them Themistocles Protopsaltis, MD
2:46 pm - 2:47 pm	Case Presentation II: "Split ACDF causing ASD / DDD" at Mid-Level Wayne Cheng, MD
2:48 pm - 2:57 pm	Panel Discussion Panel Faculty
2:58 pm - 3:08 pm	Discussion Panel Faculty
3:09 pm - 3:39 pm	Exhibit Hall, Westside Ballroom, 5th Floor Break
3:40 pm - 4:50 pm	SESSION VI: Master Techniques, Tips, and Pearls Moderator: Michael Daubs, MD
3:40 pm - 3:49 pm	Anterior Cervical Approach: Tips from an Otolaryngologist Joe Muscarella, DO
3:50 pm - 3:59 pm	Anterior Odontoid Fixation Andrew Dailey, MD, FAANS
4:00 pm - 4:09 pm	Posterior Occipital- C1-C2 Fixation Tom Mroz, MD
4:10 pm - 4:19 pm	Laminoplasty Jeff Wang, MD
4:20 pm - 4:29 pm	Cervical Corpectomy K. Daniel Riew, MD
4:30 pm - 4:39 pm	Posterior Cervical Osteotomy Darrel Brodke, MD
4:40 pm - 4:49 pm	Discussion Panel Faculty
4:51 pm - 5:00 pm	Closing Remarks Michael D. Daubs, MD