



Hands-On Surgical Techniques Course

July 15-17, 2021

Rick C. Sasso, MD, Co-Chair

Vincent C. Traynelis, MD, Co-Chair

About CSRS

The Cervical Spine Research Society is a multidisciplinary organization of individuals interested in clinical and research problems of the cervical spine. Its purpose is to provide a forum for the exchange and development of ideas and philosophy regarding the diagnosis and treatment of cervical spine injury and disease. The organization values collegial interaction and strong scientific principles.

Learn more at www.csrs.org

CSRS thanks the Medical Academic Center

CSRS thanks the Medical Academic Center (MAC) for hosting the 2021 Hands-on Surgical Techniques Course and Sandra Haugo, the MAC Director, for her dedication to this course.



Wi-Fi at Indiana Spine Group

Users must set up an account with network ISG-Guest.



CERVICAL SPINE RESEARCH SOCIETY



FOUNDED 1973

2021 Hands-On Surgical

Techniques Course

Medical Academic Center

Carmel, Indiana

July 15-17, 2021

Program Committee

Rick C. Sasso, MD, Co-Chair
 Vincent C. Traynelis, MD, Co-Chair
 Christopher P. Ames, MD
 Regis W. Haid, MD, FAANS
 John M. Rhee, MD
 Christopher I. Shaffrey, MD

Course Schedule

Thursday, July 15, 2021

11:00am	Registration & Lunch	
12:00pm	Introduction and Welcome	Vincent Traynelis, MD Rick Sasso, MD
12:15pm	Anterior Cervical Approach with Focus on C2-3 and C7-T1	Todd Albert, MD
12:30pm	Anterior Cervical Decompression: Discectomy and Corpectomy-Uncinate Resection. Anterior Osteotomy	Bruce Darden, II, MD
12:45pm	Anterior Cervical Fusion and Plating Techniques: Avoiding ALOD, Length of Screws, Different Plate Types	John Rhee, MD
1:00pm	Transoral Approach	Andrew Dailey, MD, FAANS
1:15pm	Discussion with Faculty	
1:30pm	C1-2 Posterior Fusion: Lateral Mass Screws C1 and C2 Pedicle, Pars, Translaminar Screws	Rick Sasso, MD
1:45pm	Subaxial Cervical Pedicle and Lateral Mass Screw Fixation	Paul Anderson, MD

MAC Auditorium

MAC Lobby

MAC Lab

Course Schedule

Thursday, July 15, 2021

2:00pm	Occipital Fixation Including Condyle Screws	Vincent Traynelis, MD
2:15pm	Posterior Cervical Laminoforaminotomy	Frank Eismont, MD
2:30pm	Laminoplasty	Christopher Shaffrey, MD
2:45pm	Cervical Pedicle Subtraction Osteotomy (PSO) for Chin-On-Chest Kyphotic Deformity	Bradford Currier, MD
3:00pm	Discussion with Faculty	
3:15pm	Break	
3:30pm	Vertebral Artery Exposure and Control: Anterior Approach	Thomas Zdeblick, MD
3:45pm	Vertebral Artery Exposure and Control: Posterior Occipitocervical Junction (C2-O)	Todd Albert, MD
4:00pm	Emergent Airway Control After Anterior Cervical Procedures (Cricothyroidotomy)	Rick Sasso, MD
4:45pm	Case Presentations	John Rhee, MD
5:45pm	Welcome Reception	

MAC Auditorium

MAC Lobby

MAC Lab

Course Schedule

Friday, July 16, 2021

7:00am	Continental Breakfast & Company Displays		
7:30am	How to use an Operating Microscope in the Cervical Spine		Christopher Shaffrey, MD
7:45am	Interbody Implants		Andrew Dailey, MD, FAANS
8:00am	Cervical Arthroplasty: Indications vs Fusion, Results, Currently Available Products		Vincent Traynelis, MD
8:15am	Break, Transition to Lab Attire, & Company Displays		
8:30am	Lab 1 Anterior	Anterior Cervical Anatomy Review and Approach, Anterior Discectomy, ACDF, Anterior Foraminotomy, Uncinate Resection, Exposure of the Vertebral Artery, Dissection of Hypoglossal, Glossopharyngeal, Recurrent Laryngeal, Superior Laryngeal Nerves, Digastric Muscle, Cricothyroidotomy, Transoral Resection, Anterior Corpectomy and Fusion Reconstruction, Arthroplasty	All Faculty
	Lab 1 Posterior	Dural Repair, Laminoplasty, Posterior Lamino-Foraminotomy, C1 Lateral Mass, C2 Fixation, C3-7 Lateral Mass Screws, C7-T3 Pedicle Screws	

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Course Schedule

Friday, July 16, 2021

11:30am	Grab Lunch in lobby and meet in auditorium for working lunch		
11:45am	Case Presentations		John Rhee, MD
12:15pm	Lab 2 - Same as Lab 1 with Specimens Flipped - Anterior to Posterior; Posterior to Anterior		
3:00pm	C5 Palsy		Thomas Zdeblick, MD
3:15pm	Dysphagia		Bruce Darden, II, MD
3:30pm	Anterior Cervical Nonunion: Avoidance, Treatment, Long Term Results		Bradford Currier, MD
3:45pm	Lab 3 Anterior	Anterior Osteotomy, Manubrium Resection for Exposure of Anterior Upper Thoracic Spine	All Faculty
	Lab 3 Posterior	Posterior Cervical Pedicle Subtraction Osteotomy (PSO), Occipital Fixation Including Condyle Screws	
4:45pm	Break & Company Displays		

MAC Auditorium

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Course Schedule

Friday, July 16, 2021

5:00pm	Lab 4 Anterior	Anterior Osteotomy, Manubrium Resection for Exposure of Anterior Upper Thoracic Spine	All Faculty
	Lab 4 Posterior	Posterior Cervical Pedicle Subtraction Osteotomy (PSO), Occipital Fixation Including Condyle Screws	
6-7pm	Wine and Cheese Reception – Dinner on your own		



2021 Annual Meeting & Instructional Course

December 1-4, 2021 • Marriott Marquis, Atlanta, Georgia

MAC Auditorium

MAC Lobby

MAC Lab

Course Schedule

Saturday, July 17, 2021

7:30am	Continental Breakfast	
8:00am	The Dislocated Subaxial C-Spine: Reduce First or MRI First?	Frank Eismont, MD
8:15am	Hangman's Fracture: A Guide to Surgical Indications and "How to Treat"	Paul Anderson, MD
8:30am	Geriatric Odontoid Fractures-When and How to Fix?	Thomas Zdeblick, MD
8:45am	Case Presentations	John Rhee, MD
9:30am	Break	
9:45am	Lab 5 - Open Lab Time	All Faculty
11:45am	Adjourn / Box Lunches	

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CSRS Video Archive

The CSRS Video Archive is a repository of lectures, debates and symposia presented at an Annual Meeting, Instructional Course Lecture, and Hands-On Surgical Techniques Course, from 2020 forward.



Visit the Archive: www.csr.org/video_archive/

Contact CSRS

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CSRS Resident & Fellow Scholarship Program

Scholarship supported, in part, through a grant from Medtronic



Residents & Fellows: Apply today for complementary Annual Meeting & Instructional Course registrations including airfare & hotel reimbursement.

Visit www.csr.org/news-and-events/scholarship to learn more.

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Learn more at www.csr.org/membership