

**CSRS Hands-on Surgical Techniques Course for Senior Residents & Fellows**

**July 18-20, 2024**

*\*schedule and faculty subject to change*

**Thursday, July 18, 2024**

11:00:00 AM	60	12:00:00 PM	Registration & Lunch		MAC Lobby
			<b>Session 1</b>	Rick Sasso	MAC Auditorium
12:00:00 PM	10	12:10:00 PM	Welcome & Overview of CSRS	Alpesh Patel	
12:10:00 PM	20	12:30:00 PM	Introductions	Rick Sasso	
12:30:00 PM	10	12:40:00 PM	Anterior Cervical Approach with focus on C2-3 and C7-T1	Brian Su	
12:40:00 PM	10	12:50:00 PM	Anterior Cervical Decompression: Discectomy and Corpectomy-Uncinate Resection. Anterior Osteotomy	Zoher Ghogawala	
12:50:00 PM	10	1:00:00 PM	How to use an Operating Microscope in the Cervical Spine	Chris Shaffrey	
1:00:00 PM	10	1:10:00 PM	Transoral Approach	Neill Wright	
1:10:00 PM	20	1:30:00 PM	Discussion	All Faculty	
1:30:00 PM	15	1:45:00 PM	Break		MAC Lobby
1:45:00 PM	10	1:55:00 PM	C1-2 posterior fusion: Lateral Mass Screws C1 and C2 Pedicle, Pars, Translaminar screws	Michael McCarthy	
1:55:00 PM	10	2:05:00 PM	Subaxial Cervical Pedicle and Lateral Mass Screw Fixation	Alpesh Patel	
2:05:00 PM	10	2:15:00 PM	Occipital Fixation-including Condyle screws	Vincent Traynelis	
2:15:00 PM	10	2:25:00 PM	Laminoplasty	Chris Shaffrey	
2:25:00 PM	10	2:35:00 PM	C5 Palsy	Barrett Woods	
2:35:00 PM	20	2:55:00 PM	Discussion	All Faculty	
2:55:00 PM	15	3:10:00 PM	Break		MAC Lobby
			<b>Session 2</b>	Vincent Traynelis	MAC Auditorium
3:10:00 PM	10	3:20:00 PM	Vertebral Artery Exposure and control: Anterior approach	Alpesh Patel	
3:20:00 PM	10	3:30:00 PM	Vertebral Artery Exposure and control: Posterior Occipitocervical Junction (C2-O)	Barrett Woods	
3:30:00 PM	10	3:40:00 PM	Emergent Airway control after Anterior Cervical Procedures (Cricothyroidotomy)	Rick Sasso	
3:40:00 PM	10	3:50:00 PM	Discussion		
			<b>Case Presentations</b>	Neill Wright	MAC Auditorium
3:50:00 PM	10	4:00:00 PM	Case presentation #1 - CSM	William Sheppard	
4:00:00 PM	10	4:10:00 PM	Case presentation #2 - Epidural Abscess	Stephen Bergin	
4:10:00 PM	10	4:20:00 PM	Case presentation #3 - VA Injury	Bayard Wilson	
4:20:00 PM	60	5:20:00 PM	<b>Attendee/Faculty Roundtables &amp; Reception</b>		MAC Lobby
5:20:00 PM	15	5:35:00 PM	Attendee/Faculty Bus runs from Indiana Spine Group to Renaissance Hotel		
6:30:00 PM	120	8:30:00 PM	<b>Medtronic Industry Sponsored Reception &amp; Dinner</b>		TBD

**Friday, July 19, 2024**

7:00:00 AM	15	7:15:00 AM	Attendee/Faculty Bus runs from Renaissance Hotel to Indiana Spine Group		
7:00:00 AM	55	7:55:00 AM	<b>Breakfast</b>		MAC Lobby
7:55:00 AM	5	8:00:00 AM	Morning Welcome - CSRS Social Media overview	Brian Su	
			<b>Session 3</b>	Michael McCarthy	MAC Auditorium
8:00:00 AM	10	8:10:00 AM	Anterior Cervical Fusion and Plating techniques: Avoiding ALOD, Length of screws, different plate types	John Rhee	
8:10:00 AM	10	8:20:00 AM	Posterior Cervical Laminoforaminotomy	Neill Wright	
8:20:00 AM	10	8:30:00 AM	Cervical Arthroplasty: Indications vs Fusion, Results, Currently Available Products	Vincent Traynelis	
8:30:00 AM	10	8:40:00 AM	Cervical Pedicle Subtraction Osteotomy (PSO) for Chin-on-chest Kyphotic Deformity	John Rhee	
8:40:00 AM	10	8:50:00 AM	Discussion		
			<b>Session 4</b>	Michael McCarthy	MAC Auditorium
8:50:00 AM	40	9:30:00 AM	What to look for in a practice and contract negotiations	Mike McCaslin	
9:30:00 AM	10	9:40:00 AM	Break/Transition to Lab Attire		
			<b>Lab 1</b>		
9:40:00 AM	155	12:15:00 PM	Anterior (Tables 1-4) - 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, Anterior Osteotomy, Manubrium resection for exposure of Anterior Upper Thoracic Spine		

			Posterior (Tables 5-8) - Dural Repair, Laminoplasty, Posterior Lamino-Foraminotomy, C1 Lateral Mass, C2 Fixation, C3-7 Lateral Mass Screws, C7-T3 Pedicle Screws, Posterior Cervical Pedicle Subtraction Osteotomy (PSO), Occipital Fixation including Condyle Screws, Posterior Cervical Pedicle Subtraction Osteotomy (PSO), Occipital Fixation including Condyle Screws		
12:15:00 PM	60	1:15:00 PM	<b>Lunch</b>		
			<b>Lab 2</b>		
1:15:00 PM	155	3:50:00 PM	Anterior (Tables 5-8) - 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, Anterior Osteotomy, Manubrium resection for exposure of Anterior Upper Thoracic Spine		
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3:50:00 PM	10	4:00:00 PM	<b>Break</b>		
			<b>Case Presentations</b>	John Rhee	MAC Auditorium
4:00:00 PM	5	4:05:00 PM	<b>CSRS AM Scholarship Program</b>	John Rhee	
4:05:00 PM	10	4:15:00 PM	Case presentation #4 - Lami Fusion vs Laminoplasty	Jonathan Markowitz	
4:15:00 PM	10	4:25:00 PM	Case presentation #5 - Post Traumatic Deformity	Wyatt Vander Voort	
4:25:00 PM	10	4:35:00 PM	Case presentation #6 - Upper Cervical Trauma	Jennifer Odonnell	
			<b>Session 5</b>	Michael McCarthy	MAC Auditorium
4:35:00 PM	10	4:45:00 PM	Interbody Implants	Brian Su	
4:45:00 PM	10	4:55:00 PM	Dysphagia	Michael McCarthy	
4:55:00 PM	10	5:05:00 PM	Anterior Cervical Nonunion: Avoidance, treatment, long term results	Zoher Ghogawala	
5:05:00 PM	10	5:15:00 PM	Discussion	All Faculty	
5:15:00 PM	15	5:30:00 PM	Attendee/Faculty Bus runs from Indiana Spine Group to Renaissance Hotel		
7:00:00 PM	120	9:00:00 PM	<b>Cerapedic Industry Sponsored Reception &amp; Dinner</b>		
<b>Saturday, July 20, 2024</b>					
7:00:00 AM	15	7:15:00 AM	Attendee/Faculty Bus runs from Renaissance Hotel to Indiana Spine Group		
7:00:00 AM	45	7:45:00 AM	Breakfast		MAC Lobby
7:45:00 AM	5	7:50:00 AM	CSRS Candidate Membership & how to get involved	Alpesh Patel	
			<b>Session 6</b>	Alpesh Patel	MAC Auditorium
7:50:00 AM	10	8:00:00 AM	Geriatric odontoid fractures-when and how to fix?	John Rhee	
8:00:00 AM	10	8:10:00 AM	Hangman's Fracture: A guide to surgical indications and "How to Treat"	Alpesh Patel	
8:10:00 AM	10	8:20:00 AM	The Dislocated Subaxial C-Spine: Reduce first or MRI first?	Zoher Ghogawala	
8:20:00 AM	10	8:30:00 AM	Discussion	All Faculty	
			<b>Case Presentations</b>	Neill Wright	MAC Auditorium
8:30:00 AM	5	8:35:00 AM	CSRS Education committee overview	Neill Wright	
8:35:00 AM	10	8:45:00 AM	Case presentation #7 - Upper Cervical Deformity	Jigar Gandhi	
8:45:00 AM	10	8:55:00 AM	Case presentation #8 - Multiple Revisions	Anshum Sood	
8:55:00 AM	85	10:20:00 AM	<b>Lab 3: Open Lab</b>	All Faculty	
10:20:00 AM	10	10:30:00 AM	<b>Transition to Leave</b>		
10:30:00 AM			Departures - Bus to airport		