



International Symposium on Surgery of the Spastic Upper Limb

Rochester, Minnesota, USA

June 4-6, 2024

All times noted are U.S. Central Time (CT)

Tuesday, June 4, 2024	
<u>Optional Precourse: Hands-on Cadaver Workshop in the Anatomy Lab</u> (In-person Only)	
6:00 a.m.	Registration & Breakfast (Stabile Building – 9th Floor Conference Room)
7:00 a.m.	Welcome and Lab Overview <i>Peter C. Rhee, D.O., M.S.*</i>
7:10 a.m.	Surgical Management of the Spastic Shoulder: Overview of Techniques Lecture <i>Peter C. Rhee, D.O., M.S.*</i>
7:30 a.m.	Live Surgery Demonstration Deltopectoral Approach, Muscle, and Nerve Based Procedures <i>Bertrand Coulet, M.D., Ph.D.</i>
7:40 a.m.	Walk to Anatomy Lab (Stabile Building – 9th Floor)
7:50 a.m.	Participation in Dissection Deltopectoral Approach, Muscle, and Nerve Based Procedures <i>All Faculty</i>
8:35 a.m.	Refreshment Break (Stabile Building – 9th Floor Conference Room)
8:45 a.m.	Surgical Management of the Spastic Flexed Elbow: Peripheral Nerve Based Procedures Lecture <i>Nadine Sturbois-Nachef, M.D.</i>
9:00 a.m.	Live Surgery Demonstration Biceps, Brachialis, and Brachioradialis Hyperselective Neurectomy <i>Caroline Leclercq, M.D.</i>
9:15 a.m.	Surgical Management of the Spastic Flexed Elbow: Muscle Based Procedures Lecture <i>Grainne Colgan, M.D.</i>
9:30 a.m.	Live Surgery Demonstration Biceps, Brachialis, and Brachioradialis Muscle Lengthening/Release and Osteocapsular Release <i>Simon Pickard, M.D.</i>
9:45 a.m.	Walk to Anatomy Lab (Stabile Building – 9th Floor)

9:55 a.m.	Participation in Dissection Elbow Flexor Hyperselective Neurectomy and Muscle Lengthening/Release <i>All Faculty</i>
10:55 a.m.	Refreshment Break (Stabile Building – 9th Floor Conference Room)
11:05 a.m.	Surgical Management of the Spastic Pronated Forearm and Flexed Wrist: Muscle Based Procedures Lecture <i>Miryam Obdeijn, M.D.</i>
11:20 p.m.	Live Surgery Demonstration Pronator Teres, Flexor Carpi Ulnaris, Flexor Carpi Radialis, FCU and ECU to ECRB Transfer <i>Wee Lam, M.D.</i>
11:35 p.m.	Surgical Management of the Spastic Pronated Forearm and Flexed Wrist: Peripheral Nerve Based Procedures Lecture <i>Caroline Leclercq, M.D.</i>
11:45 a.m.	Live Surgery Demonstration PT and FCR HSN, FCU HSN <i>Nadine Sturbois-Nachef, M.D.</i>
11:55 p.m.	Walk to Anatomy Lab (Stabile Building – 9th Floor)
12:05 p.m.	Participation in Dissection PT and FCR HSN, PT Fractional Lengthening, FCU HSN, FCU and ECU to ECRB Transfer <i>All Faculty</i>
12:50 p.m.	Working Lunch (Stabile Building – 9th Floor Conference Room)
1:05 p.m.	Spastic Extrinsic Finger Flexors: Muscle-Tendon Lengthening Procedures Lecture <i>Praveen Bhardwaj, MBBS, MS</i>
1:20 p.m.	Live Surgery Demonstration Volar Forearm Approach, Exposure and Lengthening of FDS/FDP <i>Raja Sabpathy, M.D.</i>
1:30 pm.	Clenched Fist in the Non-functional Hand Lecture <i>Simon Pickard, M.D.</i>
1:40 p.m.	Live Surgery Demonstration Superficialis to Profundus Transfer <i>Bertrand Coulet M.D., Ph.D.</i>
1:50 p.m.	Walk to Anatomy Lab (Stabile Building – 9th Floor)
2:00 p.m.	Participation in Dissection Volar Forearm Approach, Exposure and Lengthening of FDS/FDP, STP Transfer <i>All Faculty</i>

2:50 p.m.	Refreshment Break (Stabile Building – 9th Floor Conference Room)
3:00 p.m.	Intrinsic Muscle Spasticity and Contracture: Overview of Techniques Lecture <i>Raja Sabapathy, M.D.</i>
3:10 p.m.	Live Surgery Demonstration Distal and Proximal Intrinsic Tenotomies, Deep Motor Branch of Ulnar Nerve Neurectomy <i>Miryam Obdeijn, M.D.</i>
3:20 p.m.	Management of the Thumb-in-Palm Deformity Lecture <i>Wee Leon Lam, M.D.</i>
3:35 p.m.	Live Surgery Demonstration FPL Fractional Lengthening, Adductor Pollicis HSN, FPB Origin Release vs Selective Neurectomy, AP Distal Tenotomy vs Origin Release, EPL Rerouting, FDI Origin Release <i>Grainne Colgan, M.D.</i>
3:50 p.m.	Walk to Anatomy Lab (Stabile Building – 9th Floor)
4:00 p.m.	Participation in Dissection Distal and Proximal Tenotomies, Ulnar and Recurrent Motor Neurectomies, FPL Lengthening, AP HSN and Lengthening and Release, FPB Origin Release vs Selective Neurectomy, EPL Rerouting, FDI Origin Release <i>All Faculty</i>
5:00 p.m.	Closing Remarks (in the Anatomy Lab)/Adjourn <i>Peter C. Rhee, D.O., M.S.*</i>

Wednesday, June 5, 2024 General Session (In-person and Livestream) Leighton Auditorium – Siebens Building (2nd Floor)	
6:30 a.m.	Registration (Leighton Auditorium – Siebens 2) Breakfast and Exhibits (Rochester Marriott Mayo Clinic Area Hotel Ballroom – Connected to Siebens Building on the 2nd Floor)
7:30 a.m.	Welcome and Course Overview <i>Peter C. Rhee, D.O., M.S.* and Michael C. Wainberg, M.D.*</i>
7:40 a.m.	Setting the Tone for the Symposium: Pathophysiology of Spasticity versus Dystonia <i>Geoffrey R. Smith II, M.D.*</i>
8:00 a.m.	Pathoanatomy of Spastic Deformities: Spasticity, Muscle Contracture, and Joint Contracture <i>Erica Bellamkonda, M.D.*</i>

8:10 a.m.	Rehabilitation Techniques for the Spastic Upper Limb <i>Staci L. Eischen, PT, NCS*</i>
8:25 a.m.	Updates in the Pharmacologic Management of the Spastic Upper Limb <i>Dmitry Esterov, D.O.*</i>
8:40 a.m.	Panel Questions and Answers Session <i>Moderators: Peter C. Rhee, D.O., M.S.* and Michael C. Wainberg, M.D.*</i>
8:50 a.m.	The Role and Indication for Cryoneurotomy <i>Marjorie Salga, M.D.</i>
9:05 a.m.	Dynamic EMG and Motion Analysis for the Spastic Upper Limb <i>Ray M. Lunasin PT, DPT, Ph.D.(c)*</i>
9:20 a.m.	Pre-operative Counseling Prior to Upper Limb Reconstructive Surgery: What Patients Need to Know <i>Anna Goff, CNP*</i>
9:30 a.m.	Perioperative Anesthetic Management for Surgery on the Spastic Upper Limb <i>Mitchell J. Kerfeld, M.D.*</i>
9:45 a.m.	Panel Questions and Answers Session <i>Moderators: Peter C. Rhee, D.O., M.S.* and Michael C. Wainberg, M.D.*</i>
9:55 a.m.	Refreshment Break (In Front of the Leighton Auditorium – Siebens 2)
10:10 a.m.	Surgery for the Spastic Shoulder: My Approach <i>Bertrand Coulet, M.D., Ph.D.</i>
10:30 a.m.	Debate: Muscle versus Peripheral Nerve Based Procedures for the Spastic Shoulder <i>Simon Pickard, M.D. (Muscle Based Procedures)</i> <i>Eugene Park, M.D. (Peripheral Nerve Based Procedures)</i>
10:50 a.m.	A Physiatrist's Approach for Shoulder Spasticity Management <i>Sheng Li, M.D., Ph.D.</i>
11:00 a.m.	Peripheral Nerve Stimulation for Hemiplegic Shoulder Pain <i>William D. Mauck, M.D.*</i>
11:10 a.m.	Livestream Surgical Tips and Tricks: Spastic Shoulder Techniques <i>Nadine Sturbois-Naschef, M.D.</i>
11:30 a.m.	Case Presentations and Panel Discussions <i>Peter C. Rhee, D.O., M.S.*</i> <i>Caroline Leclercq, M.D.</i> <i>Shai Luria, M.D.</i> <i>Miryam Obdeijn, M.D.</i> <i>Marjorie Salga, MD</i> <i>Jamie Hilker, CHT, OT*</i>
12:00 p.m.	Lunch and Exhibits (Rochester Marriott Mayo Clinic Area Hotel Ballroom – Connected to Siebens Building on the 2nd Floor)
13:00 p.m.	Surgery for the Spastic Elbow: My Approach <i>Caroline Leclercq, M.D.</i>

13:20 p.m.	Debate: Chemical/Thermal Neurotomy vs Hyperselective Neurectomy <i>Marjorie Salga, M.D. (Chemical/Thermal Neurotomy)</i> <i>Wee Leon Lam, M.D. (Hyperselective Neurectomy)</i>
13:40 p.m.	Debate: Triceps Spasticity – Staged versus Single Event Approach <i>Paolo Panciera, M.D. (Staged or Multi-Event)</i> <i>Kitty Wu, M.D.* (Single Event)</i>
14:00 p.m.	Livestream Surgical Tips and Tricks: Spastic Elbow Techniques <i>Grainne Colgan, M.D.</i>
14:20 p.m.	Case Presentations and Panel Discussions <i>Peter C. Rhee, D.O., M.S.*</i> <i>Praveen Bhardwaj, M.D.</i> <i>Dean Boyce, M.D.</i> <i>Simon Pickard, M.D.</i> <i>Sheng Li, M.D., Ph.D.</i> <i>Teresa A. Jeardeau, C.H.T., O.T.*</i>
14:50 p.m.	Refreshment Break (In Front of the Leighton Auditorium – Siebens 2)
15:05 p.m.	Surgery for the Spastic Forearm and Wrist: My Approach <i>Raja Sabapathy, M.D.</i>
15:25 p.m.	Minimally Invasive Approach for the Flexed Wrist Deformity: Percutaneous Procedures <i>Sheng Li, M.D., Ph.D.</i>
15:35 p.m.	Debate: Flexed Wrist Deformity – Total Wrist Arthrodesis vs Soft Tissue Rebalancing <i>Dean Boyce, M.D. (Total Wrist Arthrodesis)</i> <i>Eva Ponten, M.D. (Soft Tissue Rebalancing)</i>
15:55 p.m.	Livestream Surgical Tips and Tricks: Spastic Wrist Techniques <i>Andreas Gohritz, M.D.</i>
16:15 p.m.	Case Presentations and Panel Discussions <i>Peter C. Rhee, D.O., M.S.*</i> <i>Shai Luria, M.D.</i> <i>Vaikunthan Rajaratnam M.D.</i> <i>Wee Lam, M.D.</i> <i>Marjorie Salga, M.D.</i> <i>Stephanie Kannas, CHT, OT, OTD*</i>
17:00 p.m.	Closing Remarks/Adjourn <i>Peter C. Rhee, D.O., M.S.*</i>
18:00 p.m.	Course Reception Dan Abraham Healthy Living Center (Downtown Location – 7th Floor Skyline Atrium)

Thursday, June 6, 2024
General Session (In-person and Livestream)
Leighton Auditorium – Siebens Building (2nd Floor)

6:30 a.m.	Breakfast and Exhibits (Rochester Marriott Mayo Clinic Area Hotel Ballroom – Connected to Siebens Building on the 2nd Floor)
7:25 a.m.	Welcome and Review Day 1 <i>Peter C. Rhee, D.O., M.S.*</i>
7:30 a.m.	Heritage Lecture: History of Surgery for the Spastic Upper Limb <i>Andreas Gohritz, M.D.</i>
8:00 a.m.	Surgical Management for the Spastic Clenched Fist: My Approach <i>Vaikunthan Rajaratnam, M.D.</i>
8:20 a.m.	Intrinsic Spasticity and Contractures: Surgical Options <i>Paolo Panciera, M.D.</i>
8:30 a.m.	Swan Neck and Claw Deformities: What Should We Do? <i>Praveen Bhardwaj, MBBS, MS</i>
8:40 a.m.	Debate: Extrinsic Finger Flexor Spasticity [Volitional Control Present] – Hyperselective Neurectomy vs Muscle Lengthening <i>Wee Lam, M.D. (Hyperselective Neurectomy)</i> <i>Andreas Gohritz, M.D. (Muscle Lengthening)</i>
9:00 a.m.	Rehabilitation Techniques after Finger Flexor Lengthening <i>Stephanie Kannas, CHT, OT, OTD*</i>
9:10 a.m.	Livestream Surgical Tips and Tricks: Clenched Fist Deformities <i>Raja Sabapathy, M.D.</i>
9:30 a.m.	Case Presentations and Panel Discussions <i>Peter C. Rhee, D.O., M.S.*</i> <i>Dean Boyce, M.D.</i> <i>Miryam Obdeijn, M.D.</i> <i>Nadine Sturbois-Nachef, M.D.</i> <i>Marjorie Salga, M.D.</i> <i>Teresa A. Jeardeau, C.H.T., O.T.*</i>
10:00 a.m.	Refreshment Break (In Front of the Leighton Auditorium – Siebens 2)
10:15 a.m.	Surgical Management for the Thumb-in-Palm Deformity: My Approach <i>Shai Luria, M.D.</i>
10:35 a.m.	Adductor Pollicis Spasticity and Contracture: What Can We Do? <i>Grainne Colgan, M.D.</i>
10:50 a.m.	Is There a Role for Thumb CMC, MCP, or IP Arthrodesis <i>Bertrand Coulet, M.D., Ph.D.</i>
11:00 a.m.	Tendon Transfers Around the Thumb: When and Why? <i>Miryam Obdeijn, M.D.</i>

11:10 a.m.	Livestream Surgical Tips and Tricks: Thumb-in-Palm Deformity <i>Steven Moran, M.D.*</i>
11:30 a.m.	Case Presentations and Panel Discussions <i>Peter C. Rhee, D.O., M.S.*</i> <i>Simon Pickard, M.D.</i> <i>Caroline Leclercq, M.D.</i> <i>Sheng Li, M.D., Ph.D.</i> <i>Jamie Hilker, CHT, Ph.D.*</i>
12:00 p.m.	Lunch and Exhibits (Rochester Marriott Mayo Clinic Area Hotel Ballroom – Connected to Siebens Building on the 2nd Floor)
13:00 p.m.	Cerebral Palsy: When Should We Operate on the Growing Child? <i>Eva Ponten, M.D., Ph.D.</i>
13:20 p.m.	Debate: The Pediatric Spastic Flexed Wrist – Flexor Carpi Ulnaris vs Extensor Carpi Ulnaris Transfers <i>Raja Sabapathy, M.D. (Extensor Carpi Ulnaris Based Transfer)</i> <i>Steven Moran, M.D.* (Flexor Carpi Ulnaris Based Transfer)</i>
13:45 p.m.	Debate: Severe Flexed Wrist Posture in Children: Midcarpal Osteotomy versus Proximal Row Carpectomy and Soft Tissue Rebalancing <i>Nadine Sturbois-Nachef, M.D. (Midcarpal Osteotomy)</i> <i>Shai Luria, M.D. (Proximal Row Carpectomy and Soft Tissue Rebalancing)</i>
14:10 p.m.	Livestream Surgical Tips and Tricks: Pediatric Spastic Wrist/Hand <i>Dean Boyce, M.D.</i>
14:30 p.m.	Rehabilitation Approach and Techniques for the Pediatric Spasticity Patient <i>Mary E. Lynch, M.D.*</i>
14:45 p.m.	Refreshment Break (In Front of the Leighton Auditorium – Siebens 2)
15:00 p.m.	“Reset” Neurotomy of the Spastic Nerve: Will It Stay Spastic? <i>Eugene Park, M.D.</i>
15:15 p.m.	Nerve Transfers to the Spastic Upper Limb: Is It Feasible? <i>Kitty Wu, M.D.*</i>
15:25 p.m.	Contralateral C7 Transfer for Spasticity: Indications and Limitations <i>Vaikunthan Rajaratnam, M.D.</i>
15:40 p.m.	Hyperselective Neurectomy in the Patient with Dystonia: Pump the Brakes or Accelerate? <i>Wee Lam, M.D.</i>
15:55 p.m.	Role of Amputation and Prosthetic Fitting for the Severely Spastic and Non-functional Hand <i>F. Clay Smither, M.D.*</i>
16:10 p.m.	Spasticity in the Spinal Cord Injured Patient: Special Considerations for Reconstruction <i>Andreas Gohritz, M.D.</i>

16:25 p.m.	The Parkinsonian Hand Deformity: Classification and Treatment <i>Bertrand Coulet, M.D., Ph.D.</i>
16:40 p.m.	The Spastic Pronated Forearm: Can We Do Better? <i>Simon Pickard, M.D.</i>
16:55 p.m.	Spotlight Lecture: Current and Future of Surgical Innovation for the Spastic Upper Limb <i>Caroline Leclercq, M.D.</i>
17:25 p.m.	Wrap-up/Closing Remarks/Adjourn <i>Peter C. Rhee, D.O., M.S.* and Michael C. Wainberg, M.D.*</i>

*Mayo Clinic Faculty