



NYC-MISS 2022
16th New York City MIS, Endoscopy, Robotics,
3D Navigation, and Augmented Reality Spine Symposium
“Case-Based and Hands-On”
Course Agenda
Dec 15-17, 2022

Weill Cornell Medicine, Belfer Research Building
413 East 69 Street, Second and Third Floors, New York, NY 10021
Anatomy Lab, 1300 York Avenue, New York, NY 10065

Course Directors:
Roger Härtl, MD, and Luiz Pimenta, MD, PhD

Preliminary Agenda

Day 1: Thursday, December 15, 2022

12:30-1:00pm **Sign In/Poster Viewing** *Belfer Research Building, Second Floor*
1:00-1:10pm **Welcome and Introduction** *Roger Härtl, MD, and Luiz Pimenta, MD, PhD*

Session I: Updates on MIS Techniques (all talks 10 min with 10 min discussion) *Belfer Research Building, Third Floor*

1:10-1:30pm	Updates in MIS Decompression	Avelino Parajon, MD
1:30-1:50pm	MIS TLIF	Roger Härtl, MD
1:50-2:10pm	Endoscopic Decompression	Ibrahim Hussain, MD
2:10-2:30pm	Transpsoas Approaches	Juan Uribe, MD
2:30-2:50pm	Prone Lateral	Luiz Pimenta, MD, PhD
2:50-3:10pm	Anterior to Psoas	Neel Anand, MD
3:10-3:30pm	COFFEE BREAK	

Session II: Enabling Technologies (Navigation/AR/VR/Robotics) *Third Floor*

3:30-3:50pm	3D Navigation: Where Are We?	Yu-mi Ryang, MD
3:50-4:10pm	Robotic Surgery	Anand Veeravagu, MD
4:10-4:30pm	AR Tumor/Deformity	John Shin, MD
4:30-4:50pm	AR in Degeneration	Roger Härtl, MD
4:50-5:10pm	Special Lecture: Sports and Spine	Joseph Maroon, MD



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Session III: Breakout Session 1: MIS TLIF, OLIF, LLIF, ALIF: What, When, and Why? (Faculty Cases)

5:10-6:00pm	Faculty
Room 1	Avelino Parajon, MD
Moderator: Juan Uribe, MD	John Shin, MD
	Ibrahim Hussain, MD
	Anand Veeravagu, MD
	Jack Knightly, MD
Room 2	Yu-mi Ryang, MD
Moderator: Dean Chou, MD	Jack Zigler, MD
	Jeremy Steinberger, MD
	Neel Anand, MD
	Rick Fessler, MD, PhD
	Lynn McGrath, MD

6:00-6:05pm	Highlights of the Day/Preview Friday	Roger Härtl, MD
6:05pm	Adjourn	

Day 2: Friday, December 16, 2022

7:15-7:30am **Poster Viewing and Breakfast**

*Belfer Research Building
Second Floor*

Session IV: Advanced MISS

Third Floor

7:30-7:50am	Single-Position Surgery	Anand Veeravagu, MD
7:50-8:10am	Lumbar Arthroplasty	Jack Zigler, MD
8:10-8:30am	ACR	Juan Uribe, MD
8:30-8:50am	Mini Open Lateral Thoracic Approach	Dean Chou, MD
8:50-9:10am	MIS Deformity	Sravisht (Chevy) Iyer, MD
9:10-9:30am	MIS Special Topic	Sheeraz Qureshi, MD
9:30-9:50am	COFFEE BREAK	

Session V: Abstract Presentations

Third Floor

9:50-10:10am	5-min presentations (x3), Q&A	TBD
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Session VI: Breakout Session 2: Navigation/AR/VR/Robotics/Endoscopy(Faculty Cases)

10:10-11:00am	Faculty (all faculty will participate)
Room 1	Sravisht (Chevy) Iyer, MD
Moderator: Lynn McGrath, MD	Michael Virk, MD. PhD
	John Shin, MD
	Anand Veeravagu, MD
	Jack Zigler, MD
Room 2	Roger Härtl, MD
Moderator: Ibrahim Hussain, MD	Yu-mi Ryang, MD
	Jeremy Steinberger, MD
	Sheeraz Qureshi, MD
	Dean Chou, MD

Session VII: “Socratic Battle” Moderated by Roger Hartl

Third Floor

11:00-11:10am	Open Surgery for Deformity	Lawrence Lenke, MD
11:10-11:20am	MISS for Deformity	Neel Anand, MD
11:20-11:40am	Q&A	
11:40-11:50am	Prone Transpsosas	Luiz Pimenta, MD
11:50-12:00pm	MIS TLIF	Rick Fessler, MD
12:00-12:20pm	Q&A	
12:20-12:30pm	Navigation / AR - For	Roger Härtl, MD
12:30-12:40pm	Navigation / AR - Against	Lawrence Lenke, MD
12:40-1:00pm	Q&A	

1:00-2:00pm	Working Lunch/ Realist Demonstration: VR in Degenerative Spine	Moderators: Pravesh Gadraj, MD Mateusz Bielecki, MD
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Session VIII: MISS Special Topics

2:00-2:20pm	MIS for Treatment of Osteoporotic and Metastatic Pincer Fractures	Yu-Mi Ryang, MD
2:20-2:40pm	MISS Special Topic	Rick Fessler, MD, PhD
2:40-3:00pm	Outcome Measurement and Registries	Jack Knightly, MD
3:00-3:20pm	Anterior vs. Posterior Cervical Approaches	Jeremy Steinberger, MD
3:20-3:40pm	ERAS/ESP Block	Ibrahim Hussain, MD
3:40-4:00pm	How to Age Young	Joseph Maroon, MD

4:10-4:20pm

Closing Remarks, Surveys and Adjourn

Roger Härtl, MD



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Day 3: Saturday, December 17, 2022

Session IX: Techniques and Hands-on Lab

7:30-7:45am	Registration and Breakfast	<i>Griffis Faculty Club 1300 York Avenue</i>
7:45-8:00am	Lab Overview/Instructions	<i>Roger Härtl, MD</i>
8:00-2:00pm	Surgical Demonstration and Lab Dissection	<i>Anatomy Lab A001</i>
	<i>Coffee and refreshments will be available throughout the day</i>	<i>Instructors (all faculty):</i> <i>Roger Härtl, MD</i> <i>Ibrahim Hussain, MD</i> <i>Michael Virk, MD, PhD</i> <i>Kai-Ming Fu, MD, PhD</i> <i>Lynn McGrath, MD</i> <i>Sheeraz Qureshi, MD</i> <i>Sravisht (Chevy) Iyer, MD</i> <i>John Shin, MD</i> <i>Neel Anand, MD</i> <i>Avelino Parajón, MD</i> <i>Dean Chou, MD</i> <i>Anand Veeravagu, MD</i>
2:00-3:30pm	Lunch and Case Presentations/Video Discussions	<i>Griffis Faculty Club 1300 York Avenue</i>
		<i>Moderators:</i> <i>Pravesh Gadjradj, MD</i> <i>Mateusz Bielecki, MD</i>
3:30-3:45pm	Closing Remarks, Surveys, and Adjourn	<i>Roger Härtl, MD</i>