

## 2023 MSTTS Specialty Day Program

### Program Committee Leadership

Santiago A. Lozano Calderón, MD, PhD, Program Chair

Lukas Nystrom, MD, Vice Chair

Panayiotis Papagelopoulos, MD, FACS, Member at large



**8:00 am – 8:05 am**

### **Welcome**

Michelle Ghert MD, FRCSC, MSTTS President

Santiago A. Lozano Calderón, MD, PhD, Program Chair

8:05 am - 8:10 am

**First Show** Musculoskeletal Oncology unknowns (5 cases) (Lukas Nystrom, MD; Krista Goulding, MD, MPH, FRCSC)

**8:10 am – 8:40 am**

**Session I: International Discussion. Custom made implants in orthopaedic oncology** (Moderator Alexandra Callan, MD)

8:10 am - 8:20 am

Introduction (*Alexandra Callan, MD*)

“Custom-made megaprotheses as individual reconstruction options in tumor cases” (Martin Wessling, MD, PhD) (10 min)

8:20 am – 8:25 am.

Case: Custom made Pelvic Reconstruction (Nathan Mesko, MD)

8:25 am – 8:40 am.

Panel discussion case: Joseph Benevenia, MD; Alexandra Callan, MD; Nathan Mesko, MD; Martin Wessling, MD, PhD

**8:40am - 9:45 am**

**Session II: Now you don't see me, now you do.... New Technologies in the intraoperative assessment of soft tissue sarcomas.**

(Moderators: Tessa Balach, MD; Santiago A. Lozano Calderón, MD, PhD)

8:45 am - 8:55 am

Infrared light in intraoperative soft tissue sarcoma margins (Eric R. Henderson, MD)

8:55 am - 9:05 am

Protease activated fluorescent probe in intraoperative soft tissue sarcoma margins (Brian E. Brigman, MD)

9:05 am - 9:15 am

Indocyanine Green Dye in intraoperative soft tissue sarcoma margins (Kurt Weiss, MD)

9:15 am - 9:25 am

The Physics of Indocyanine Green (Anand Kumar, PhD)

9:25 am - 9:35 am	Half-life Indocyanine Green Dye in intraoperative soft tissue sarcoma margins – Pros and Cons (Thinzar Lwin, MD)
9:35 am – 9:50 am	Questions from the audience to the panel
<b>9:50 am – 10:15 am</b>	<b><i>Morning Break</i></b>
<b>10:15 am - 12:00 pm</b>	<b><i>Session III: From amputation to functional ablative surgery.</i></b> <i>(Moderators: Julia Visgauss, MD; Lukas Nystrom, MD)</i>
10:15 am - 10:25 am	Indications and Contraindications (Rossana Wustrack, MD)
10:25 am - 10:55 am	Point/Counterpoint: One Stage vs. Two-Stage Surgery (Rickard Branemark, MD and Taylor Reif, MD)
10:50 am - 11:05 am	Soft Tissue and Nerve Considerations (Jason Souza, MD, FACS)
11:05 am - 11:20 am	Ongoing Clinical Trials (Jonathan Forsberg, MD)
11:20 am - 11:30 am	Registry Update (Kyle Potter, MD)
11:30 am - 11:50 am	Questions and Panel Discussion
<b>12:00 pm – 1:00 pm</b>	<b><i>Lunch – MSTS Members Only Meeting</i></b>
<b>1:00 pm – 1:30 pm</b>	<b><i>Specialty Day Key-Note Speaker (intro Panayiotis Papagelopoulos, MD)</i></b>
	<b>Artificial Intelligence in Medical Imaging – Brad Erickson, MD, PhD (Mayo Clinic)</b>
<b>1:30 pm – 2:00 pm</b>	<b><i>International Collaboration – MSTS global role (Introduction by Panayiotis Papagelopoulos - Moderators: Doug Letson, MD and Valerae Lewis, MD)</i></b> <b>MSTS – Michelle Gert, MD, FRCSC</b> <b>ISOLS – Francis J. Hornicek, MD</b> <b>EMSOS – Pietro Ruggieri, MD</b>
<b>2:00 pm – 2:15 pm</b>	<b><i>Afternoon Break</i></b>

**2:15 pm – 3:15pm**

**Session IV: Research and Education**

*(Moderators: Brooke Crawford, MD; Matthew DiCaprio, MD)*

2:15 pm - 2:25 pm

Sarcoma Strong Grants 2019:

“Delineating Mechanisms of Checkpoint Blockade Failure While Manipulating MDSCs as a Treatment to this Conundrum”. (Brock A. Lindsey, MD, PhD)

“MicroRNA Profiling in Extraskelatal Osteosarcoma” (Santiago A. Lozano Calderón, MD, PhD)

2:25 pm - 2:30 pm

Sarcoma Strong Grant 2020:

“A Pilot Study to Assess the Safety and Efficacy of Preoperative Stereotactic Body Radiotherapy for the Treatment of Metastatic Bone Disease Requiring Surgical Stabilization” (Maksim Vaynrub, MD)

2:30 pm – 2:40 pm

Sarcoma Strong Grants 2022:

“*Investigating the Role of LCP1 In Metastatic Progression of Chondrosarcoma*”. (Julia Visgauss, MD)

“*Interrogating the Downstream Effects of Macrophage Polarization in the Osteosarcoma Tumor Microenvironment on Alveolar Resident Tissue Macrophages*”. (Steven Thorpe, MD, FACS)

2:40 pm – 2:45 pm

Questions

2:45 pm – 2:55 pm

Update GCT + Zolendronic Acid (David Greenberg, MD)

2:55 pm – 3:05 pm

Proximal tibia reconstruction study group update (John Alexander, MD; Mitchell Fourman, MD)

3:05 pm – 3:15 pm

SAFETY Study Update (Michelle Ghert, MD FRCS)

3:15 pm – 3:25 pm

Questions

3:25 pm – 3:35 pm

Musculoskeletal Oncology unknowns (10 cases) show and award presentation (Lukas Nystrom, MD; Stella Joo Lee, MD)

**3:35 pm – 3:40 pm**

***Final Remarks and Adjourn***