

**2018 MSTS Annual Meeting
Preliminary Program**
October 10-12, 2018
Memorial Sloan Kettering Cancer Center
New York, NY

Nicola Fabbri, MD, Program Chair
Joseph Benevenia, MD, MSTS President

Educational Goals and Objectives

At the conclusion of this CME activity, the attendee should be able to:

- Understand current trends in cancer research and treatment.
- Review principles of Limb Salvage surgery.
- Focus on management and surgical techniques for malignant tumors of the spine.
- Review overall management and operative approach to pelvic bone metastases.
- Increase understanding of Chondrosarcoma biology, genetics and clinical course.
- Update on basic science research in musculoskeletal oncology.
- Identify current and future applications of Quality of Life assessments and PROMIS.

Wednesday, October 10, 2018

1:00 PM - 5:30 PM	Registration
1:00PM - 5:00 PM	Technical Exhibit Booth Set-up
6:30 PM - 8:30 PM	Welcome Reception

Thursday, October 11, 2018 - Day At A Glance

6:30 AM - 5:30 PM	Registration	
7:00 AM - 8:30 AM	Breakfast	
7:00 AM - 5:30 PM	Poster/Technical Exhibits	
7:30 AM	Introduction and Welcome	Nicola Fabbri, MD and Joseph Benevenia, MD
7:35 AM - 8:00 AM	Trends in Modern Cancer Research	Craig B. Thompson, MD, President and CEO, MSKCC
10:00 AM - 10:20 AM	Product Theater - TBD	
12:10 PM - 1:00 PM	Lunch	

12:10 PM - 12:30 PM	Product Theater - TBD	
12:10 PM - 12:30 PM	Poster Viewing	
2:10 PM - 3:00 PM	MSTS Business Meeting - MSTS Members Only	
2:10 PM - 2:40 PM	Product Theater - TBD	
2:10 PM - 3:20 PM	Poster Viewing	
7:00 PM	Social Event - Cipriani 25 Broadway	

Session I: Bone Sarcomas – Preoperative Risk Factors, Biology and Decision-Making

Moderators: TBD

8:00 AM - 8:05 AM	Paper 1	Orthopedic Oncology And Preoperative Counseling: What Influences The Patient'S Choice Between Limb Salvage And Amputation?	Richard W Gurich, MD
8:05 AM - 8:10 AM	Paper 2	Income And Gender Data In Orthopaedic Oncology: How Do We Stack Up?	Ethan Krell, MS
8:10 AM - 8:15 AM	Paper 3	Are Rural Osteosarcoma Patients At Risk For Worse Outcomes?	Ryan Wendt
8:15 AM - 8:25 AM		Moderated Discussion	
8:25 AM -8:30 AM	Paper 4	High Grade Intramedullary Osteosarcoma: Does Histologic Subtype Affect Outcome?	James Henry Flint, MD
8:30 AM - 8:35 AM	Paper 5	Oncologic Outcome In Patients With Osteosarcoma Of The Extremities And Pathologic Fractures: Differences In Micro Rna Profile	Santiago A. Lozano Calderon, MD, PHD
8:35 AM - 8:40 AM	Paper 6	Limb-Salvage Surgery Is Associated With Better Long-Term Overall Survival Compared To Amputation For Osteosarcoma Of The Extremity	Chang-Yeon Kim, MD
8:40 AM - 8:50 AM		Moderated Discussion	
8:50 AM - 9:00 AM		Set The Stage for Limb Salvage	Dr. Capanna

Session II: Limb Salvage – Heavy Metal Reconstruction

Moderators: TBD

9:00 AM - 9:05 AM	Paper 7	Biomechanical "Scratch Fit "- Achieving Adequate Operative Press Fit Fixation With Distal Femoral Oncologic Implants	Ernest U Conrad III, MD
-------------------	---------	--	-------------------------

9:05 AM - 9:10 AM	Paper 8	Press Fit Vs Cemented Femoral Stems In Arthroplasty For Oncologic Indications	Courtney Kaiser, BA
9:10 AM - 9:15 AM	Paper 9	Distal Femoral Compressive Osseointegration Endoprostheses: A Minimum Ten-Year Follow-Up Study With Functional Results	Musa Zaid, MD
9:15 0AM - 9:25 AM		Moderated Discussion	
9:25 AM - 9:30 AM	Paper 10	Outcomes Of Expandable Prostheses For Primary Bone Malignancies In Skeletally Immature Patients: A Meta-Analysis	Andrew Bi
9:30 AM - 9:35 AM	Paper 11	Long Term Outcomes Of Total Humeral Replacement For Primary Bone Tumors In 18 Patients	Zachary D. Burke
9:35 AM - 9:40 AM	Paper 12	Long Term (> 15 Year) Outcomes Of Custom Cross-Pin Fixation Of Tumor Endoprostheses Stems	Zachary D. Burke
9:40 AM - 9:50 AM		Moderated Discussion	
9:50 AM - 10:10 AM		Product Theater- TBD	
9:50 AM - 10:20 AM		E-Poster Viewing	
9:50 AM - 10:20 AM	Break		
Session III: Complications : Limb Salvage – Custom, 3D Printed, Biologic			
Moderators: TBD			
10:20 AM - 10:25 AM	Paper 13	Patient-Specific 3D Printed Implant Design For Pediatric Orthopaedic Oncology Reconstruction	Scott M Tucker, BS, MS
10:25 AM - 10:30 AM	Paper 14	Our Experience With 3-D Preoperative Planning, Stereolithographic Models And Custom-Made Implants At A University Hospital In A Developing Country	Marcos Galli Serra, MD

10:30 AM - 10:35AM	Paper 15	Dynamic Prediction For Patients With high-Grade Extremity Soft Tissue Sarcoma	Michiel Van De Sande, MD, PhD
10:35 AM - 10:40 AM	Paper 16	Cement Spacers For Intercalary Reconstructions	Jan Lesensky, MD
10:40 AM - 10:55 PM		Moderated Discussion	
10:55 AM - 11:00 AM	Paper 17	Short- And Intermediate Term Function After Distraction Osteogenesis For Bone Reconstruction Of Osseous Tumors In The Upper And Lower Extremity	Eugenia Schwarzkopf, MD
11:00 AM - 11:05 AM	Paper 18	Long-Term Follow-Up Of Massive Allograft Reconstructions. What We Expected After Ten Years Of Surgery	Luis Aponte-Tinao, MD
11:05 AM - 11:10 AM	Paper 19	Long Term Outcomes Of Telescope Allograft Technique For Diaphyseal Reconstruction In Limb Salvage Surgery	Mohamed Ahmed Yakoub, MD, MSc
11:10 AM -11:20 AM		Moderated Discussion	
Session IV: Limb Salvage – Complications and Amputation			
Moderators: TBD			
11:20 AM - 11:25 AM	Paper 20	Sarcopenia Is Associated With Increased Mortality And Complications Following Limb-Sparing Reconstruction For Sarcoma Of The Extremities	Nathan Hendrickson, MD
11:25 AM - 11:30 AM	Paper 21	Tranexamic Acid Use In Cancer Patients Undergoing Wide Resection And Endoprosthetic Reconstruction – A Retrospective Review	Douglas Haase, MD
11:30 AM -11:35 AM	Paper 22	Ivc Filter Placement In 286 Patients With Malignant Disease: Benefits Continue To Outweigh Risks	Valdis Lelkes, MD
11:35 AM -11:45 AM		Moderated Discussion	
11:45 AM -11:50 AM	Paper 23	Polyethylene Wear In Distal Femur Replacement In Oncology Patients	Ana Cecilia Belzarena, MD
11:50 AM -11:55 AM	Paper 24	Outcomes Of Free Vascularized Fibular Grafts For The Treatment Of Radiation-Induced Femoral Nonunions	Meagan E Tibbo, MD

11:55 AM -12:00 PM	Paper 25	Effect Of Perioperative Radiation Therapy On Outcomes Of Vascularized Fibular Graft Reconstruction Of Long Bones	Mohamed Ahmed Yakoub, MD, MSc
12:00 PM -12:05 PM	Paper 26	Early Outcomes Of Osseointegrated Implants In Transhumeral And Transfemoral Amputations	Colin Harrington BS
12:05 PM -12:20 PM		Moderated Discussion	
12:20 PM - 12:40 AM		Product Theater- TBD	
12:20 AM - 1:00 AM		E-Poster Viewing	
12:20 PM - 1:00 PM	Lunch		
1:00 PM -1:10 PM		Set The Stage for Soft Tissue Sarcoma	Jay Wunder, MD
Session V: Soft Tissue Sarcoma			
Moderators: TBD			
1:10 PM - 1:15 PM	Paper 27	Socioeconomic Factors Affecting Outcomes Of Surgical Treatment Of Bone And Soft Tissue Sarcomas: A S.E.E.R. Database Study	Eugene Shin Jang, MD, MS
1:15 PM - 1:20 PM	Paper 28	Host Immune Response In Undifferentiated Pleomorphic Sarcoma – A 10-Year Retrospective Analysis	Rosanna Wustrack, MD
1:20 PM - 1:25 PM	Paper 29	The Role Of Radiation Therapy And Margin Width In Localized Soft Tissue Sarcomas	Nicholas Gannon, BS
1:25 PM - 1:35 PM		Moderated Discussion	
1:35 PM - 1:40 PM	Paper 30	Oncologic And Clinical Outcomes Of Limb Sparing Surgery In Soft Tissue Sarcoma At Median And Long Term Followup.	Angeles Cabas-Geat
1:40 PM - 1: 45 PM	Paper 31	Development Of A Prognostic Nomogram To Predict For Post-Operative Surgical Site Infection In Localized Soft Tissue Sarcomas Of The Extremity	Meena Bedi, MD
1:45 PM - 1:50 PM	Paper 32	Designing A Rational Follow-Up Schedule For Soft Tissue Sarcoma	David Wilson, MD, FRCSC

1:50 PM - 2:00 PM		Moderated Discussion	
2:00 PM - 2:50 PM		MSTS Business Meeting - MSTS Members Only	
2:50 PM - 3:10 PM		Product Theater - TBD	
2:50 PM - 3:20 PM		E- Poster Viewing	
2:50 PM - 3:20 PM		Break	
3:20 PM - 3:30 PM		Set The Stage for Metastatic Bone Disease John Healey, MD	
Session VI: Metastatic Bone Disease			
Moderators: TBD			
3:30 PM - 3:35 PM	Paper 33	One Year Results Of The Illuminoss Lightfix Trial Indicate Durable Improvements In Pain And Function After Treatment Of Humeral Metastatic Disease	Richard M Terek, MD, FACS
3:35 PM - 3:40 PM	Paper 34	Comparison Of Photodynamic Stabilization, Intramedullary Nail, And Cemented Plate For Pathologic Humerus Fractures	Jason Shih Hoellwarth
3:40 PM - 3:45 PM	Paper 35	Oncologic Advantages Using Carbon Fiber Implants	Howard G Rosenthal, MD
3:45 PM - 3:50 PM	Paper 36	Prophylactic Stabilization Of Metastatic Femoral Lesions Has A Survival Benefit Compared To Pathologic Femur Fracture Fixation: Nationwide Analysis In The Va Healthcare System	Kenneth Gundle, MD
3:50 PM - 4:00 PM		Moderated Discussion	
4:00 PM - 4:05 PM	Paper 37	Thirty-Day Readmission, Reoperation And Mortality In Surgical Management Of Metastatic Bone Disease: An Analysis Of The National Surgical Quality Improvement Program	Kathryn Gallaway
4:05 PM - 4:10 PM	Paper 38	Prophylactic Vs. Post-Fracture Stabilization For Neoplastic Lesions Of The Long Bones: A Comparison Of 30 Day Post-Operative Outcomes	Jad El Abiad, BS

4:10 PM - 4:15 PM	Paper 39	Hybrid Surgery-Radiosurgery Therapy For Metastatic Epidural Spinal Cord Compression (Mescc): A Prospective Evaluation Using Patient-Reported Outcomes	Ori Barzilai, MD
4:15 PM - 4:20 PM	Paper 40	The Treatment Of Metastatic Spine Disease In Patients Without Definitive Operative Indications: Radiation Therapy Vs. Surgical Decompression And Corpectomy For Neurologically Intact Patients With Epidural Spinal Cord Compression And Indeterminate Sins	Anthony A. Catanzano Jr, MD
4:20 PM - 4:30 PM		Moderated Discussion	
4:30 PM -4:40 PM		Set the Stage - Outcome & Quality of Life	R. Lor Randall, MD
Session VII: Outcome and Quality of Life			
Moderators: TBD			
4:40 PM - 4:45 PM	Paper 41	Variation In The Administration And Reporting Of The Msts Score: Evidence For The Need Of Standardized Outcome Measurement Guidelines	Justin E Bird, MD
4:45 PM - 4:50 PM	Paper 42	An Evaluation Of Promis Health Domains In Sarcoma Patients Compared To The United States Population	Benjamin Wilke, MD
4:50 PM - 4:55 PM	Paper 43	Promis May Be A Superior Measure Of Patient Reported Outcomes In Musculoskeletal Oncology Patients	Jason S. Lipof, MD
4:55 PM - 5:00 PM	Paper 44	Accelerometer-Based Measurement Of Balance And Gait After Treatment For Lower Extremity Musculoskeletal Cancer In The Clinic: A Feasibility And Validity Study	Sherron Furtado, MSC, PHD

5:00 PM - 5:05 PM	Paper 45	A Markerless Motion Capture To Quantify Functional Outcomes Using A Depth-Sensor After Treatment For Lower Extremity Sarcomas In The Clinic: A Feasibility And Validity Study	Sherron Furtado, MSC, PHD
5:05 PM - 5:20 PM		Moderated Discussion	
5:20 PM		Meeting Adjourns	
Social Event - Cipriani 25 Broadway			
Friday, October 12, 2018 Day At A Glance			
6:30 AM- 8:30 AM	Registration		
7:00 AM - 8:30 AM	Breakfast		
7:00 AM - 11:00 AM	E- Posters/Technical Exhibits		
7:40 AM - 8:00 AM		Cancer and Finance: How to Tackle the Emperor of All Maladies	Jose Baselga, MD - Physician in Chief, MSKCC
8:00 AM - 8:40 AM		Presidential Guest Lecturer - Surgical Management of Malignant Bone Tumors of the Spine	Stefano Boriani, MD
8:40 AM - 8:50 AM	Set The Stage for Sacrum and Pelvis		Franklin Sim, MD
Session VIII: Sacrum and Pelvis			
Moderators: TBD			
9:00 AM - 9:07 AM			
8:50AM - 8:55 AM	Paper 46	Patient Specific 3D Cutting Guides Provide Similar Cut Accuracy And Superior Far-Side Cut Penetration Accuracy Compared With Computer Navigation Or Freehand Technique In An Idealized Sawbones Pelvic Resection Model	Matthew W Colman, MD
8:55 AM - 9:00 AM	Paper 47	Hip Joint Reconstruction Is Not Necessary Following Periacetabular Resection For Sarcoma	David Wilson, MD, FRCSC

9:00 AM - 9:05 AM	Paper 48	Comparison Of Reconstruction Versus No Reconstruction Following Acetabular Resection For Pelvic Chondrosarcoma	Joshua Johnson
9:05 AM - 9:15 AM		Moderated Discussion	
9:15 AM - 9:20 AM	Paper 49	What Is The Risk Of Mortality Following Local Chordoma Recurrence?	Matthew T. Houdek, MD
9:20 AM - 9:25 AM	Paper 50	Factors Associated With 5-Year Survival In Chordomas: A National Cancer Database Study	Brian L. Dial, MD
9:25 AM - 9:30 AM	Paper 51	Non-Surgical Outcomes In Multiple Myeloma Peri-Acetabulum Lesions	Cory Gene Couch, MD
9:30 AM - 9:40 AM		Moderator Discussion	
9:40 AM - 10:00 AM		Product Theater - TBD	
9:40 AM - 10:10 AM		E- Poster Viewing	
9:40 AM - 10:10 AM		Break	
Session IX: Breaking Down Chondrosarcoma			
10:10 AM - 10:40 AM		Breaking Down Chondrosarcoma	Francis Hornicek, MD and Hameed
10:40 AM - 10:45 AM		Announcement on Collaborative Trial	Jonh Healy, MD
Session X: Basic Science, Translational Research and Collaborative Studies			
Moderators: TBD			
10:45 AM - 10:50 AM	Paper 52	Degree Of Osteosarcoma Differentiation Influences Tumour Response To Bmp-2 Signalling	Joseph Kendal, MD
10:50 AM - 10:55 AM	Paper 53	Nanopiece Delivery Of Nucleotide Therapeutics Inhibits Chondrosarcoma Progression	Richard M Terek, MD, FACS
10:55 AM - 11:00 AM	Paper 54	Mithramycin A Inhibits Proliferation And Radiosensitizes Ews:Flt1+ Ewing Sarcoma	Timothy A Damron, MD
11:00 AM - 11:10 AM		Moderator Discussion	
11:10 AM - 11:15 AM	Paper 55	Demonstrating Osteoinductivity In A Decellularized Xenograft Bone Substitute	Alexander H Jinnah, MD
11:15 AM - 11:20 AM	Paper 56	Clinically Relevant Tumor-Initiating Cells In Patient-Derived Xenograft (Pdx) Models Of Bone Cancers	Vinagolu K. Rajasekhar, PhD

11:20 AM - 11:25 AM	Paper 57	Precision Medicine: Big Data Analysis Of Breast Cancer Gene Expression To Predict Metastasis To Bone	Izuchukwu Kenneth Ibe, MD
11:25 AM - 11:30 AM	Paper 58	Defining Optimal Administration Time And Tissue Contrast Ratios Required For Margin Assessment In Soft-Tissue Sarcomas Using An Egfr-Targeting Fluorescence Probe	Eric R. Henderson, MD
11:30 AM - 11:45 AM		Moderated Discussion	
Session XI: New Ideas for Old Problems			
11:45 AM - 11:50 AM	Paper 59	Risk Factors In Tenosynovial Giant Cell Tumours, Evaluated In 17 International Sarcoma Centers	Monique Mastboom, MSC
11:50 AM - 11:55 AM	Paper 60	Occupational Injuries Among Orthopaedic Oncology Surgeons	Krista Goulding, MD
11:55 PM - 12:00 PM	Paper 61	The Role Of Denosumab In Joint Preservation For Patients With Giant Cell Tumour Of Bone: Not A Magic Bullet?	David Louis Perrin, MD
12:00 PM - 12:05 AM	Paper 62	Oncologic And Functional Outcomes After Treatment For Desmoid Fibromatosis Of The Extremities	Erik T. Newman, MD
12:05 PM - 12:15 PM		Moderated Discussion	
12:15 PM - 12:20 PM	Paper 63	Cost Analysis For Patients Treated For Bone And Soft Tissue Sarcomas: Index Admissions And Readmissions	Gabriel Makar
12:20 PM - 12:25 PM	Paper 64	Oncology Patients Are High Cost Outliers In Bundled Payments For Total Joint Replacement	Erik Woelber, MD
12:25 PM - 12:30 PM	Paper 65	Analysis of Principles Inspiring Design of 3D Printed Protheses In Two Referral Centers	Pietro Ruggieri, MD, PhD
12:30 PM - 12:35 PM	Paper 66	Revisiting The Role Of Radiation Therapy In Chondrosarcoma: A National Cancer Database Study	Anthony A. Catanzano Jr, MD
12:35 PM - 12:50 PM		Moderated Discussion	
12:50 PM - 1:10 PM		MSTS Paper & Poster Awards	
1:10 PM		Meeting Adjourns	

Thank you for attending the 2018 MSTS Annual Meeting. Contact info@msts.org if you have any questions or additional comments you wish to share.