

MSTS Newsletter

Volume 21, Winter 2018

Inside this Issue

President's Report	1	Research Committee	4	Practice Management Committee.	5
MSTS Executive Committee	1	Evidenced Based Medicine Committee.	4	Education Committee.	6
Treasurer's Report	2	Fellowship Committee	5	2018 Annual Meeting Program Committee	7
2017 MSTS Annual Meeting Report.	3	Membership Committee	5	Thank You 2017 Annual Meeting Supporters and Exhibitors	7
2018 Specialty Day	3				

President's Report – Joseph Benevenia, MD

As we begin a new year, 2018 looks to be promising for the Musculoskeletal Tumor Society!

I want to take this opportunity to thank all administration, our many committee members, volunteers, and members of the Musculoskeletal Tumor Society (MSTS). We value and appreciate your support, dedication, and continued feedback. Your participation and passion for our work is truly a source of inspiration! A special thanks to Dr. Robert Quinn for his terrific leadership, successful presidency, and commitment to the society.

The 2017 Annual Meeting in Denver was a phenomenal success both by everyone's perception and in actual metrics. The conference attendance was strong and participants reported that they found the presentations informative and clinically insightful. Dr. Nicole Ehrhardt's topic on "Addressing the Challenges in Limb Salvage Through Translational Cross-Fit" was exceptionally intuitive and well received by our members. The social gathering, as always was a great opportunity to enjoy good food and true camaraderie within our society.

The academic and scholarly programs remain strong. Education continues to be the backbone of the organization.

The MSTS Executive Committee welcomes Dr. Carol D. Morris who enters the Presidential Line as our new Treasurer, accompanying Dr. Joel Mayerson as Secretary, Dr. R. Lor Randall, President-Elect, Dr. Robert Quinn as Immediate Past-President and Dr. Theodore Parsons as Past-President. We also welcome our new Executive Committee (EC) members, Dr. Valerae O. Lewis as the new Chair of

Continued on page 2

MSTS Executive Committee

President

Joseph Benevenia, MD
benevejo@rutgers.edu

President-Elect

R. Lor Randall, MD, FACS
r.lor.randall@hci.utah.edu

Secretary

Joel Mayerson, MD
joel.mayerson@osumc.edu

Treasurer

Carol D. Morris, MD
cmorri61@jhmi.edu

Immediate Past President

Robert H. Quinn, MD
quinnr@uthscsa.edu

Past President

Theodore W. Parsons III, MD, FACS
tparson3@hfhs.org

Education Committee

Valerae O. Lewis, MD
volewis@mdanderson.org

Research Committee

Francis Young Lee, MD, PhD
francis.lee@yale.edu

Membership Committee

Michael P. Mott, MD
mmott2@hfhs.org

Members-at-Large

Nicholas Bernthal, MD
nbernthal@mednet.ucla.edu

Francis Hornicek, MD
fhornicek@partners.org

MSTS Headquarters

9400 W. Higgins Rd., Suite 500 Rosemont, IL 60018 info@msts.org 847/698-1625 fax: 847/268-9574

Treasurer's Report

- Carol D. Morris, MD

The Society remains in good financial shape with a comfortable amount of money in our reserves (> \$1 million). The 2017 Annual Meeting was a very successful meeting for us financially as was Specialty Day. We continue to work with the society to secure sponsorship for our meetings. Our investment account with Morgan Stanley performed well in 2017 adding significant additional revenue.

We received a modest contribution for research efforts through Orthopaedic Research and Education Foundation (OREF). A big thank you to Dr. Matthew DiCaprio for his continued contributions to the Sarcoma Research Fund as well individual members of the Society who made designated contributions to our research efforts. Several large research grants have been given over the years which unfortunately is not a sustainable practice to ensure the fiscal health of our Society. The Finance Committee along with the Research Committee is reconsidering the best use and distribution of funds.

I look forward to presenting you the details of our budget at Specialty Day in New Orleans. Thanks to Anna Greene (Finance Director) for her guidance.

President's Report, cont'd from pg. 1

the Education Committee, Dr. Francis Young Lee, Research Committee Chair, Dr. Nicholas Bernthal, Member-at- Large and Dr. Nicola Fabbri, Program Chair for our 2018 Annual Meeting. The 2018 MSTs Annual Meeting will include exceptional education sessions, vital research presentations, industry exhibits, and great social and networking opportunities.

We would also like to express our many thanks to all of the EC members and outgoing EC committee members: Dr. Lee Rodney Leddy and second past president, Dr. Richard M. Terek. We value the impact that you have had to better the society. We are quickly approaching March 10th, Specialty Day at New Orleans during the AAOS Annual Meeting under the enthusiastic leadership of: Dr. Wakenda Tyler (Chair), Dr. Megan Anderson (Co-Chair), and Dr. Nicholas Bernthal (Member-at-Large). Specialty Day is expected to provide excellent information and insight on education, membership, career development and the latest research.

Mark your calendars for our upcoming Annual Meeting in New York October 10-12, 2018. We expect this meeting to be relevant, educational and profitable.

Thanks to the efforts of Dr. Robert Quinn, we revitalized the Strategic Plan initiated by Dr. Kristy Weber in 2014. With input

from the society, we gathered feedback from membership and identified areas related to member directed issues and topics. We have begun revamping the Pillars of the new 3-year Strategic Plan: 2018-2021. We've identified the main pillars and assigned the strategic plan pillars to the corresponding committees: Research led by the Research Committee: Chair, Dr. Francis Young Lee with a Subcommittee on Registry led by Evidence Based Medicine Committee: Chair, Dr. Ben Miller, Education led by the Education Committee, with its Chair Dr. Valerae O. Lewis and Advocacy, led by the MSTs Executive Committee Presidential Line.

As technology and software are constantly changing, we have decided that it was time to give www.msts.org a much needed overhaul. Website reconstruction is in the works!

As a reminder, we will open Housing at the same time that we open the Call for Abstracts. This is due to the limitations and expenses of New York City. More to come on what we believe will be a great Annual Meeting in New York, October 10-12, 2018!

Thank you for the opportunity to serve as your President. I look forward to seeing you at the Academy and Specialty Day.

2018 Dues Renewal

Friendly Reminder – Please submit payment for your 2018 membership dues. Pay your 2018 Membership Dues [online](http://msts.org).

Forgot your login information? Contact MSTs for assistance at 847/698-1625 or info@msts.org.

MSTS SPECIALTY DAY MEETING

(at AAOS Meeting)



March 10, 2018
New Orleans, Louisiana

2017 MSTS Annual Meeting Report

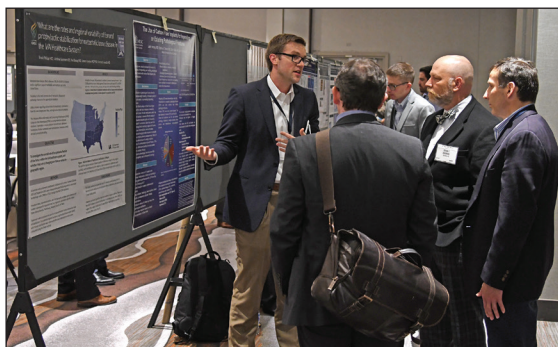
- Kevin Raskin, MD, Chair



The 2017 MSTS Annual Meeting was held September 27-29, 2017 in Denver, Colorado, affectionately referred to by the locals as the “*Mile High City*” at the Grand Hyatt Denver. We had over 250 health professionals’ registered, interesting sessions, and the Annual Meeting Program Committee was pleased to see so many active members in attendance.

Socially, our meeting kicked off on Wednesday, September 27th with a welcome reception which offered beautiful panoramic views of Denver’s mountainous skyline.

On the morning of Thursday, September 28th, the meeting kicked off a day full of informative and engaging podium presentations. Attendees had the opportunity to hear interesting and provocative data during poster presentations where authors showcased their work and facilitated open dialogue with their colleagues. The opportunities for scientific and social networking were outstanding. On Thursday evening, participants enjoyed the MSTS signature dinner at the Downtown Denver Aquarium dining complex which featured a public aquarium boasting more than a million gallons of underwater exhibits that highlighted over 500 species of fish.



Attendees enjoyed an eclectic menu and had full access to roam the aquarium while exploring fascinating ecosystems from around the world.

On Friday, September 29th, the presidential

guest speaker, Nicole Ehrhart VMD, MS, a distinguished professor in surgical oncology at the highly acclaimed Flint Animal Cancer Center, Colorado State University, offered members additional perspective and insight on “Addressing the Challenges in Limb Salvage Through Translational Cross-Fit”.



While exploring the exhibit hall, attendees visited the MSTS Product Theater for a unique way to interact with exhibitors and learn about new products and technologies.

A special thanks to everyone who participated in the success of this meeting! In particular we would like to highlight the contributions of our presenters, generous sponsors and exhibitors, the MSTS Executive Committee and the MSTS Annual Meeting Program Committee for their efforts in making this conference possible.

We look forward to seeing you at the next MSTS Annual Meeting, October 10-12, 2018 in New York, New York!

2018 MSTS Specialty Day

- Wakenda Tyler, MD, Chair

Get ready for a rousing Specialty Day program this year. We are encouraging all members to join us on Saturday, March 10th, 2018 in New Orleans. This year’s Specialty Day will prove to be “one for the books”.

We will be bringing you two Key Note Speakers, Dr. Richard Gorlick, Chief of Pediatric Oncology and a pediatric sarcoma specialist from MD Anderson and Dr. Pietro Ruggieri from University of Padova, who will be providing us insight into the education of future generations of surgeons. The day will continue to unfold with discussions on practice management and career development.

We are anticipating a rare appearance for this session by Dr. Dempsey Springfield. We will also hear from several folks on research activities that are taking place amongst our members.

The day will finish out with a panel session on complicated cases, which we hope to be engaging, educational and fun for all. We are expecting audience participation and engagement throughout the day with plenty of time for discussion and debate.

The business meeting will be held at mid-day to allow members time to voice concerns and ask questions to the Executive Committee and membership. Covering a variety of topics from career development to complex problem solving, we look forward to seeing you all in New Orleans.



Research Committee

– Francis Young Lee, MD, PhD, Chair

The MSTS will utilize research to improve patient outcomes, advance the field of musculoskeletal oncology, facilitate mentoring, and allow for meaningful contribution and collaboration by members. Currently, 7 MSTS members are donating their time to provide service to enhance musculoskeletal oncologic research and mentoring. Oncology landscape is changing rapidly in an era of precision medicine, targeted therapy, immune-oncology, 3D printing, robots, big data, and bioinformatics. One of our Research Committee goals is to provide up-to-date information on research advances. We will also provide practical knowledge, skills, and resources for young MSTS members to engage high impact research. Current Research Committee members are Drs. Francis Y. Lee (Committee Chair, Yale), David

Geller, (Montefiore), Matthew DiCaprio, (Albany Medical Center), Joseph Schwab, (Massachusetts General Hospital), Kurt Weiss, (University of Pittsburgh), David Greenberg, (University of St. Louis), and Rosanna Wustrack, (UC San Francisco). We will facilitate the mentoring of early-stage MSTS members, research grant programs, research networking, research symposiums, utilization of tumor registry, and research communications. Because our activities are so diverse, we plan to invite young MSTS members as ad hoc members or consultants. Research funding is vital to sustain peer-reviewed high-impact research programs and mentoring.

Our society has funded several research grants over the past several years. We look forward to identifying new funding opportunities in the near future. We

were fortunate to support Dr. Matthew DiCaprio's ceaseless efforts to raise money for high-impact research. Our committee members would be incredibly grateful for your support or participation in the 5th Sarcoma Strong Fund Raising 5K Run Event in Albany, NY. Other upcoming events sponsored by the MSTS Research Committee are as follows:

- **March 10, 2018**
AAOS MSTS Specialty Day Research Highlights
- **March 11, 2018**
Orthopaedic Research Society Symposium on Osteosarcoma
- **Late March 2018**
Planning Meeting for the 5th Sarcoma Strong Fund Raising 5K Run Event in Albany, NY
(Hosted by Dr. Matthew DiCaprio)

Evidence Based Medicine Committee

– Ben Miller, MD, Chair

The Evidence Based Medicine Committee is nearing completion on two projects jointly funded by the AAOS and MSTS. The first is a clinical practice guideline "The use of imaging prior to referral to a musculoskeletal oncologist," which has just finished a period of peer review and public comment. The next step will be publication and dissemination of our findings – please help us diffuse the results of this effort by promoting the document and information therein to referring providers, trainees, and cancer colleagues.

Second, Dr. Raj Rajani just moderated a lively in-person voting session for the appropriate use criteria "Surveillance of local recurrence and distant metastasis after surgical treatment of bone and soft tissue sarcoma." There was great support and participation by members of the MSTS, American Academy of Orthopaedic Surgeons, Connective Tissue Oncology Society, Society of Surgical Oncology, American College of Radiology and the American Joint Committee on Cancer. The document is currently being written with a plan for publication later this year.

Dr. Felsafa Wodajo and Dr. Patrick Getty were awarded an AAOS/BOS Quality and Patient Safety grant for their project "Clinical Practice Guidelines for the Medical, Radiation, and Surgical Treatment of Metastatic Carcinoma and Myeloma to the Femur." This effort is partially funded by the MSTS. We will soon be asking for volunteers to help with this project, so please let us know if you are interested. We have had great engagement by our members in these types of projects and the experiences seem to be worthwhile and informative. We are always looking for new ideas, so please let us know if you have an idea for a topic in need of a clinical practice guideline, appropriate use criteria, or information statement.

The EBM Committee is preparing an information statement about the distribution of orthopaedic oncologists in the United States. We are using the information within the MSTS database to determine the practice location of our members. Please use this opportunity to ensure that your information is accurate and updated. An accurate "orthopaedic

oncology census" will be an important resource for our society for years to come.

The MSTS registry working group continues to define scientific questions and data elements, create electronic health record forms for data collection, and envision the ultimate administrative structure. We remain in discussions with the AAOS, with a plan to incorporate our registry into a larger effort under the umbrella of the AAOS. Currently, there is no clear timeline, but we remain optimistic that our enthusiasm and drive has not gone unnoticed, and we remain well positioned to start the registry development process when the AAOS infrastructure is ready.

Save the Date

2018 MSTS Annual Meeting
October 10 - 12, 2018

Memorial Sloan Kettering Cancer Center
New York, New York

Abstract submission begins early March

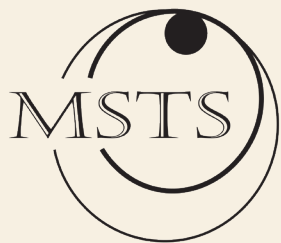
Fellowship Committee

- Rajiv Rajani, MD, Chair

The Fellowship committee is updating contact information for all MSTs recognized fellowships. Fellowship Directors should contact Dr. Fran Patterson (patterfr@njms.rutgers.edu) for updates after reviewing the information on the MSTs website.

We are also working to collect data on case volumes during fellowship. Dr. Dieter Lindskog is compiling a list of surgical procedures that would be used by applicants as a guide to measure clinical volumes during fellowship.

The ACGME is currently reviewing recent modifications to the MSK Oncology Fellowship Program Requirements. Working with Drs. Theodore Parsons and Joel Sorger, updates have been made but require final approval which should occur by mid-2018.



OUR MISSION

The Musculoskeletal Tumor Society will advance the science of orthopaedic oncology and promote high standards of patient care through excellence in education and research.

OUR VISION

The Musculoskeletal Tumor Society will be a recognized authority on all aspects of orthopaedic oncology, an influential participant in policy-making for orthopaedic oncology services, and responsive to the needs of orthopaedic oncologists and their patients.

Membership Committee

- Michael Mott, MD, Chair

The Membership Committee is here to serve you and members are the reason we exist! We are constantly seeking ways to improve and enhance your membership experience. If you have any ideas which you feel can improve our membership experience please feel free to contact the chair or any Membership Committee. The members of your Membership Committee are Drs. Michael Mott, Pietro Ruggieri, Howard Rosenthal, Joel Sorger, Cynthia Emory, and Nicholas Bernthal.

Remember to sign up and utilize the MSTs forMD community. for[MD] is our online interchange for more immediate membership sharing of ideas, cases and membership interaction. The link to access MSTs' private community on for[MD] is: <https://formd.com/group/4319>

Login consists of your email address and your for[MD] password. If you have forgotten your password, then please go to the following link and follow the instructions. This will generate an email to reset your password: <https://formd.com/forgot-password> If you have never logged in before, you must activate your account. You can do this by requesting your invitation code by emailing info@formd.com We welcome your participation in this platform.

Practice Management Committee

- John P. Heiner, MD, Chair

The Practice Management Committee has been involved in several projects over the course of the year. We had a successful creation of the allograft codes for limb reconstruction. Centers for Medicare and Medicaid Services (CMS) has not given a final ok on the values and they do not take effect until January 1, 2019. The RUC accepted values were close to the surveyed values so that is a good thing for the MSTs.

The bone biopsy codes became zero day global codes last year, so hopefully everyone knows that they can bill for any additional days they see the patient in the office as long as there is not another 90 day global code associated with the patient visit. CMS has been refusing to pay E and M visits on the same day

The Membership Committee would like to welcome the following new members who were recently approved as full members by the action of the Executive Committee:

ACTIVE membership
Shelia Conway, MD
Howard J. Goodman, MD
Krista Anne Goulding, MD
Robert John Steffner, MD

CANDIDATE membership
James Henry Flint, MD
Christopher Neil Johnson, MD
Antoinette W. Lindberg, MD
Shai S. Shemesh, MD
Russell Stitzlein, MD

RESIDENT membership
John Alexander, MD
Erik T. Newman, MD
Kim Tsoi, MD
Alexander R. Willis, MD

Encourage your colleagues to join MSTs. Learn more by visiting the [MSTS](#) website. Also note, the members only section of the MSTs web site includes useful information and contact information for your colleagues!

as some zero day global codes. If any members have had experience denials for E and M visits please let the committee know because the AAOS as well as other organizations have been trying to get CMS to soften their stance.

We are looking at creating several other codes relating to pathologic fractures that would help the membership. We are also creating a reasonable relative value baseline for orthopedic oncology physicians.

If there are any payment policy questions please let the committee know. Dr. Adam Levin will be assuming the chairmanship of the committee this year.

Education Committee

– Valerae O. Lewis, MD, Chair

AAOS Annual Meeting

The AAOS Annual meeting is approaching quickly and it will prove to be another busy meeting. This year we are offering 5 Tumor Instructional Course Lectures and 1 symposium:

1. How to Approach and Treat Metastatic Disease-Interactive and Case-based Discussion, Moderator: Val Lewis
Tuesday March 6, 1:30-3:30pm
2. Sports Tumors – How to Manage Orthopaedic Condition in the Setting of Common Bone Tumors, Moderator: Wakenda Tyer
Wednesday March 7, 8:00 – 10:00 am
3. Pathological Fractures; Diagnosis, Pathophysiology, Treatment Complication and Controversies through Case-Base Learning, Moderator: Francis Lee
Wednesday March 7, 11:00 – 12:30 pm
4. Soft Tissue Tumors: A Pictorial Guide to Diagnosis and Treatment, Moderator: Val Lewis
Wednesday March 7, 1:30 – 3:30 pm
5. Bone and Soft Tissue Tumors for the General Orthopaedic Surgeon: How to Avoid Errors, Moderator: Carol Morris
Thursday, March 8, 8:00 -10:00 am
6. Common Bone Tumors and Reconstructive Options in Pediatric and Young Adult Patients, Moderator: Joel Sorger
Friday, March 8, 8:00 -10:00 am

In addition, there are 2 scientific podium sessions (Tuesday March 6, from 10:30 – 12:30 pm and Wednesday March 7 from 4:00-6:00 pm), a poster tour (Wednesday, March 7, 8:30 – 9:30 am), a Scientific Exhibit (Common Pitfalls in the Management of Skeletal Metastases) and 7 Video Theater presentations focusing on tumor-related topics.

Handouts are only available electronically via My Academy app or from your registration record. Handouts for all Instructional Courses will be available one week prior to the meeting.

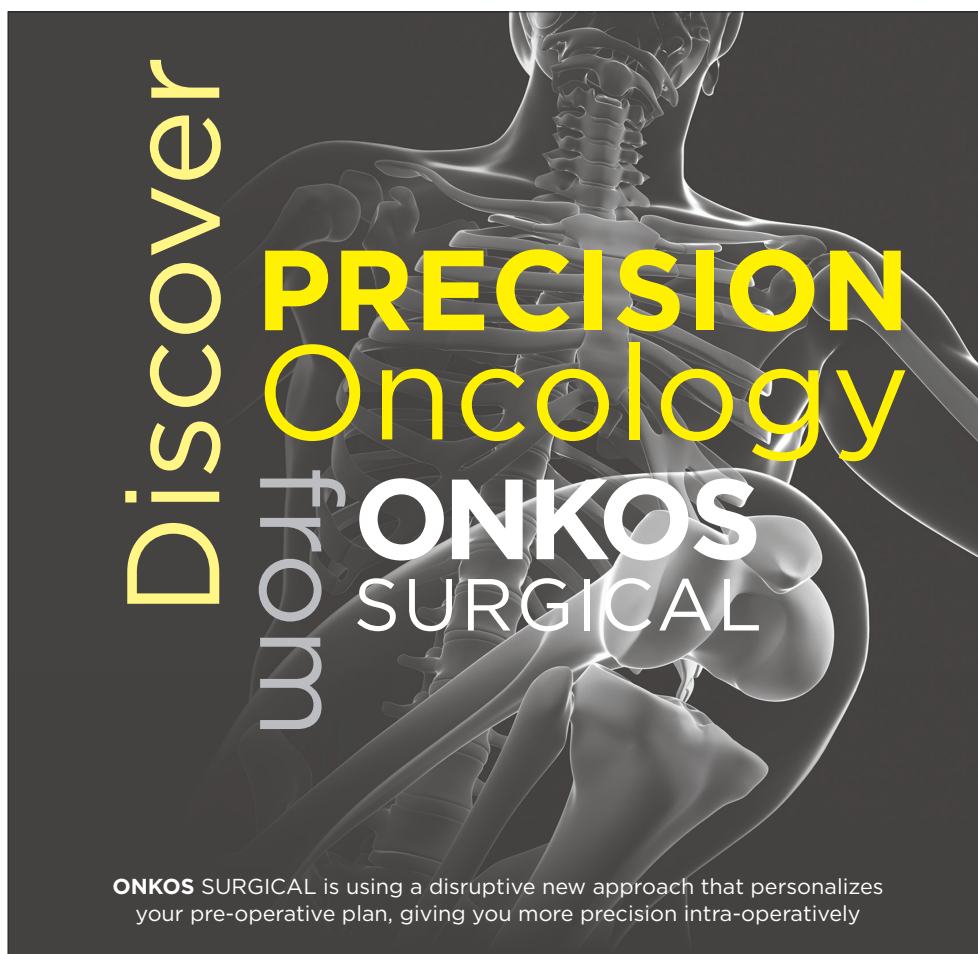
This year you can purchase an Education Track Package from the AAOS. These tracks identify the best sessions for

your level of expertise. There are two Musculoskeletal Oncology Track available. Track packages are only available for advanced purchase. Visit www.aaos.org/annual to purchase.

As always, new education sessions will need to be submitted soon after the Annual Meeting is over. Please contact the Education Committee and we are available to partner with you or provide guidance in putting a program and faculty together for an ICL or symposium.

On-line Pathology Course


The on-line AAOS/MSTS virtual musculoskeletal pathology course is complete. Musculoskeletal Oncology Review: Clinical, Radiographic and Pathologic Overview and Treatment Principles is an online, independent study course will present the essential knowledge on musculoskeletal tumors and disease required to prepare for the American Board of Orthopaedic Surgery Part 1 examination or the Academy's Orthopaedic In-Training Examination. This is an excellent resource for residents and fellows.



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**Annual Meeting
Program Committee**
– Nicola Fabbri, MD, Chair



Save the date for the MSTS 2018 Annual Meeting, October 10-12, 2018 in New York at Memorial Sloan Kettering Cancer Center. The meeting will kick-off with a welcome reception on Wednesday evening. Thursday will encompass a full day of educational programming and after making connections with colleagues, exploring new technologies/products in the exhibit hall, and learning from experts in the field, the meeting will adjourn on Friday afternoon.

Abstracts will open for submission in early March – we look forward to your submission, and to seeing you in New York!



THANK YOU

The Musculoskeletal Tumor Society would like to thank the following exhibitors for their generous support of MSTS 2017 Annual Meeting

Diamond Level Exhibitors

**ONKOS SURGICAL
STRYKER ORTHOPAEDICS**

Gold Level Exhibitor

ZIMMER BIOMET

Silver Level Exhibitor

LINKBIO CORP

Bronze Level Exhibitors

**BIOCOMPOSITES
EXACTECH, INC.**

Exhibitors

Bonesupport, Inc.

CarboFix Orthopedics, Inc.

Cura Surgical

Endocare

Implantcast North America

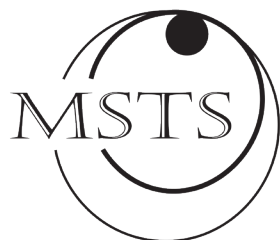
LifeNet Health

Merete Technologies, Inc.

Musculoskeletal Transplant Foundation

Vector Surgical

Wright Medical Technology



Musculoskeletal Tumor Society

9400 W. Higgins Road, Suite 500 • Rosemont, IL 60018

website: www.MSTS.org

phone: 847/698-1625 fax: 847/268-9574 e-mail: info@msts.org