

# MSTS Members Needed to Participate in MSTS Study (2009-10)

## The Effect of MTP-PE on the Survival of Limb-Sparing Orthopaedic Reconstructions in Patients with Osteosarcoma

**Abbreviated Abstract:** MTP-PE improved survival of patients with localized osteosarcoma by 30%. Its mechanism activates macrophages and elaborates inflammatory mediators such as IL-1, IL-6, and TNF- $\alpha$ . These cytokines are also directly involved in osteolysis and aseptic loosening around orthopedic implants and may alter bone healing. This common pathway raises concern that MTP-PE administration, while improving patient survival, may place limb reconstructions at risk for increased failure. In this project, we will study the effect of MTP-PE on the failure rates of limb-sparing reconstructions, including endoprosthesis, allograft-prosthetic composite, and pure structural allograft reconstructions. *All of your patients who participated in the COG Intergroup 0133 study from 1993-1997 are eligible for this long-term follow up study.* The COG will provide existing chart data including all operative notes and calculated MSTS functional scores for all patients involved in the INT 0133 study.

**WHAT IS REQUIRED:** Existing radiographs from several time points are needed for each patient involved in the COG study who had a limb-sparing operation (with any type of reconstruction, including endoprosthetic, allograft-prosthetic, or allograft). We request:

- 1) immediate post-operative radiographs
- 2) latest available radiograph (if reconstruction was never revised)
- 3) latest radiograph of original reconstruction prior to any major revision (if reconstruction was revised)

When possible, it is preferred that the films be digitized and sent via electronic means or mailed on CD. If unable to digitize, please send duplicate hard copies (not originals) of radiographs.

**Where to send:** Digitized radiographs can be sent via secure email to:  
[khanf@mskcc.org](mailto:khanf@mskcc.org) (subject "MSTS MTP Study")

All CDs or (duplicate) radiographs should be sent via UPS or FedEx to:  
Dr. John H. Healey  
Attn: Fazel A. Khan, MD  
Orthopedic Surgery- Room A 342  
Memorial Sloan-Kettering Cancer Center  
1275 York Avenue  
New York, NY -10065

For any questions regarding compliance with data-sharing requirements from your institution, please contact:  
[khanf@mskcc.org](mailto:khanf@mskcc.org)

**Reimbursement:** \$50 per case will be paid to the collaborator or institution to defray the cost of obtaining, copying, and shipping radiographs to MSKCC from an MSTS Grant awarded to MSKCC for this project.

Thank you for your collaboration and beneficence in helping to get the most valuable information from your patients' participation in INT 0133.

Sincerely,

John Healey