

CURRICULUM VITAE

MARK THOMAS SCARBOROUGH, M.D.

PRESENT POSITION

Chairman Department of Orthopaedic Surgery and Rehabilitation, September 1, 2011 - present
Interim Chair Department of Orthopaedic Surgery and Rehabilitation, July 1 2010 – August 31, 2011
Eugene Jewitt Professor of Orthopaedic Surgery, 2004-2011
William F. Enneking, William E. Anspach & Orthopaedic Alumni Endowed Chair 2011-present
Chief Division of Orthopaedic Oncology, July 1991 - present
Orthopedic Oncology Fellowship Program Director, July 1991 - present
Residency Program Director 2007 - present
Department of Orthopaedics & Rehabilitation, University of Florida

Affiliate Professor Department of Pediatrics, University of Florida, July 1998 - present

EDUCATION AND TRAINING

Undergraduate: Duke University, B.A. Psychology, May 1979
Graduate: University of Florida, Doctor of Medicine, June 1985
Post Graduate: University of Texas Medical Branch
Internship: Rotating Surgical, July 1985 – June 1986
Residency: Orthopaedic Surgery, July 1986 – June 1990
Fellowship: Orthopaedic Oncology, July 1990 - June 1991
Massachusetts General and Boston Children's Hospitals

Leadership Training The American Orthopaedic Association – Kellogg leadership series.
6 weekend seminars, Northwestern University, Chicago, IL, 2005-2011

“Using Recent Research to Advance Organizational and Personal Success” 03/26/2004-03/28/2004
“Developing Personal Leadership Skills and Competencies” 01/28/2005-01/29/2005
“Understanding Successful Leadership, Governance, and Power” 07/25/2008-07/27/2008
“Be Equipped to Better Compete in the Marketplace” 07/25/2008-07/27/2008
“The Power of Information is in the Numbers” 11/19/2009-11/22/2009
“A Leadership Retreat for Orthopaedic Surgeons” 11/18/2011-11/20/2011

American Orthopaedic Association - Effective Educators Course, 06/09/2009-06/10/2009
Bonita Springs, FL

Institute for Academic Leadership Chairs Workshop, The Florida 5/19/2013-5/22/2013
State University, Florida

LICENSURE

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Florida

AWARDS

The Marshall Horowitz Award for Outstanding Teaching & Excellence in Orthopaedic Resident Development, 1999.
Musculoskeletal Research Grant, Institutional grant for sabbatical, Instituto Orthopedico Rizzoli, Bologna, Italy. May 1 - July 3, 1994
American Cancer Society Fellow in Orthopaedic Oncology, Massachusetts General Hospital, 1990 - 1991
G. W. N. Eggers Society Best Resident Paper Award, University of Texas Medical Branch, May 1990.
W. F. Enneking Teaching Award, Univ. of Florida College of Medicine, 1985.

COMMITTEES

University of Florida:

College of Medicine Executive Committee, July 2010 - present
Surgical Quality Committee, Chair, July 2010 – present
UF Search Committee for Department of Pathology, 2010
Program Director, UF Orthopedic Residency Program, 2007 – present
Shands Hospital Transfusion Committee, Chair, 2006 - 2008
UF Search Committee for Adult Hematology Oncology Division chief, 2004
UF Search Committee for Orthopedic Traumatologist, 2003 - 2005
PhD Dissertation Committee for Chris Watchman, Medical Physics Program, Department of Nuclear and Radiological Engineering, University of Florida, Wes Bolch, Ph.D, 2002
Search Committee, Department of Pediatrics, Pediatric Oncology Chief Position, 2000
Orthopedic Surgery Call Schedule Organizer 2000 - present
UF Cancer Center steering committee 2000 - present
UF COM LCME Internal Review Committee, 1999
Pediatric Surgical Committee, 1998 - present
SHANDS Website committee, 1998
UF Orthopedic Resident search committee, 1998 - present
Search Committee, Department of Orthopedic Surgery, Spine Surgeon Position, 1998
Search Committee, Department of Pathology, Musculoskeletal Pathologist, 1998
Operating Room Committee, 1995 - 2008
Cancer Center Member, 1994
Cancer Center Director Search Committee, 1992 - 1993
Surgical Case Review Committee, 1991-present
Hospital Cancer Committee, 1991 - present
Cancer Center Planning Grant Committee, Fall 1991

NATIONAL COMMITTEES

Musculoskeletal Tumor Society-Executive Committee, 2004 - 2007
Association of Bone and Joint Surgeons – Awards Committee for the
Marshall R. Urist Young Investigator and
The Nicolas Andry Award 2003-2006, Chair 2006
National Cancer Institute Subcommittee H. Southwest Oncology Group (SWOG) review,
Bethesda, Md. July 6 - 8, 2003
Musculoskeletal Tumor Society- Membership Committee,
Web Site Founder and Committee 1999 - present
Musculoskeletal System Research Committee,
American Academy of Orthopaedic Surgeons, 1999 - 2004
Member, Subcommittee on Musculoskeletal Tumors & Diseases, American Academy of
Orthopaedic Surgeons, 1997 - present, Chairman of Committee 1999-2008
Musculoskeletal Tumor Society, Data Base Planning Committee – September 1991

ASSOCIATIONS

American Orthopaedic Association, Elected position, 2002
Connective Tissue Oncology Society, 2000
Association of Bone and Joint Surgeons, Elected position, 1999
Musculoskeletal Tumor Society, 1996
American Academy of Orthopaedic Surgeons, 1993
Children's Oncology Group, Orthopaedic Division, 1992
Florida Orthopaedic Society, 1992
Henry J Mankin Fellows Society, 1991
Alachua County Medical Society, 1991
American Medical Association, 1991
International Society of Limb Salvage, 1991. Board member 2011-present.
Florida Medical Society, 1991 - present
G.W.N. Eggers Orthopaedic Society, University of Texas Medical Branch,
Orthopaedic Alumni Association, 1990

PUBLICATIONS

1. Viegas S, Rimoldi R, Scarborough M, Ballantyne G. Acute compartment syndrome in the thigh: A case report and a review of the literature. *Clin Orthop Relat Res* (234): 232, 1988.
2. Scarborough M, Gebhardt M, Springfield D, Mankin H. Complications and function following the surgical treatment of Ewing's sarcoma. In: *Complications of Limb Salvage*, KLB Brown (Ed.), ISOLS, Montreal, Canada, 1991.
3. Solanki DR, Enneking FK, Ivey FM, Scarborough MT, Johnston RV. Serum bupivacaine concentrations following intra-articular injection for pain relief after knee arthroscopy. *Arthroscopy* 8(1):44-47, 1992.

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4. Daum WJ, Scarborough MT, Gordon W Jr, Uchida T. Heterotopic ossification and other perioperative complications of acetabular fractures. *J Orthop Trauma* 6(4):427-432, 1992.
5. Vlasak R, Nelson T, Scarborough M. Osteosarcoma: Current perspectives. *J South Orthop Assoc* 3(2): 95-107, 1994.
6. Layton T, Scarborough M, VanderGriend RA. Allograft arthrodesis of the shoulder following resection of the proximal humerus. *Contemp Orthop* 29(6): 421, 1994.
7. Scully SP, Temple HT, O'Keefe RJ, Scarborough MT, Mankin HJ, Gebhardt MC. The role of surgical resection in pelvic Ewing's sarcoma. *J Clin Oncol* 13(9): 2336-2341, 1995.
8. Moreau G, Bush C, Scarborough M, Enneking W. Surgical considerations in a diagnostic imaging evaluation of musculoskeletal masses. *Magn Reson Imaging Clin North Am* 3(4): 577-590, 1995.
9. Weiner S, Scarborough, MT, Vander Griend R. Resection Arthrodesis of the Knee using Intercalary Allograft. *J Bone Joint Surg (78-A)*:185-192, February 1996.
10. Zehr RJ, Enneking WF, Scarborough MT. Allograft-prosthesis composite versus megaprosthesis in proximal femoral reconstruction. *Clin Orthop Relat Res* (322): 207-223, 1996.
11. Cummins C, Scarborough MT, Enneking WF. Multicentric giant cell tumor of bone. *Clin Orthop Relat Res* (322): 245-252, 1996.
12. Heinrich SD, Scarborough MT. Pediatric orthopedic oncology. *Orthop Clin North Am* 27(3) 1996.
13. Scarborough MT, Moreau G. Benign cartilage tumors. *Orthop Clin North Am* 27(3):583-589, 1996.
14. Bolek T, Marcus R, Mendenhall N, Scarborough M, Graham-Pole J. Local control and functional results after twice-daily radiotherapy for Ewings sarcoma of the extremities. *Int J Radiat Oncol Biol Phys* 35(4): 687-692, 1996.
15. Kamath SS, Parsons JT, Marcus RB, Zlotecki RA, Scarborough MT. Radiotherapy for local control of aggressive fibromatosis. *Int J Rad Onc Biol Phys* 36(2):325-8, 1996.
16. McGrath B, Bush C, Nelson T, Scarborough M. Evaluation of suspected osteoid osteoma. *Clin Orthop Relat Res* (327): 247-252, 1996.
17. Scarborough M, Spanier S, Berrey BH. Should I Do a Biopsy? *Florida Orthop Soc J*, Spring 1997.
18. Scarborough MT, Helmstedter CS. Arthrodesis after resection of bone tumors. *Semin Surg Oncol* 13: 25-33, 1997.
19. Enneking FK, Scarborough MT, Radson EA. Local anesthetic infusion through nerve sheath catheters for analgesia following upper extremity amputation. *Clin Report Reg Anesth* 22(4): 351-356, 1997.
20. Lindner NJ, Scarborough MT, Wortler K, Brunsmann D, Winkelmann W, Enneking WF. Minimal-invasive perkutane radiofrequenzchirurgie von osteoidosteomen mittels CT-furhrung mit geringer morbiditat und weniger kosten. *Orthopadische Praxis* 33(7): 482-488, 1997.
21. Lindner NJ, Scarborough MT, Ciccarelli JM, Enneking WF. CT-controlled thermocoagulation of osteoid osteoma in comparison with traditional methods. *Z Orthop Ihre Grenzgeb* 135(6): 522-527, 1997.
22. Pevarski DJ, Drane WE, Scarborough MT. The usefulness of bone scintigraphy with SPECT images for detection of pulmonary metastases from osteosarcoma. *AJR Am J Roentgenol* 170(2): 319-22, 1998.

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23. Lindner NJ, Scarborough MT, Spanier SS, Enneking WF. Local host response in osteosarcoma after chemotherapy referred to radiographs, CT, tumour necrosis and patient survival. *J Cancer Res Clin Oncol* 124(10): 575-580, 1998.
24. Wolf RE, Scarborough MT, Enneking WF. Long-term follow-up of patients with autogenous resection arthrodesis of the knee. *Clin Orthop Relat Res* (358): 36-40, 1999.
25. Meyer MS, Spanier SS, Moser M, Scarborough MT. Evaluating marrow margins for resection of osteosarcoma: A modern approach. *Clin Orthop Relat Res* (363):170-175, 1999.
26. Lindner NJ, Scarborough MT, Powell GJ, Spanier S, Enneking WF. Revision surgery in dermatofibrosarcoma protuberans of the trunk and extremities. *Eur J Surg Oncol* (25):392-397, 1999.
27. Cowin DJ, Powell GJ, Spanier SS, Makley JT, Scarborough MT. Thigh mass in a 73-year-old man. *Clin Orthop Relat Res* (366): 282-288, 1999.
28. Scarborough MT, Zlotecki R. Late effects of radiation after the treatment of musculoskeletal tumors. *Current Opinion Orthop* (10): 481-484, 1999.
29. Carlan D, Leggon RE, Reith J, Scarborough MT. Arm mass in an 11-year-old boy. *Clin Orthop Relat Res* (376):287-290, 2000.
30. Barei DP, Moreau G, Scarborough MT. Percutaneous radiofrequency thermal ablation of osteoid osteoma. *Clin Orthop Relat Res* (373): 115-124, 2000.
31. Mollabashy A, Scarborough M. The mechanism of metastasis. *Orthop Clin North Am* 31(4): 529-535, 2000.
32. Husted D, Leggon R, Reith J, Bush C, Scarborough M. Leg mass in a 50-year-old man. *Clin Orthop Relat Res* (381): 290-294, 297-300, 2001.
33. Scarborough MT. Allograft-allograft healing? Salvage of massive allografts after fracture. *Clin Orthop Relat Res* (382): 23-33, 2001.
34. Feigenberg SJ, Marcus RB, Zlotecki RA, Scarborough MT, Berrey BH, Enneking WF. Megavoltage radiotherapy for aneurysmal bone cysts. *Int J Rad Onc Biol Phys* 49(5): 1243-1247, 2001.
35. Kanamori M, Antonescu CR, Scott M, Bridge RS, Neff JR, Spanier SS, Scarborough MT, Vergara G, Rosenthal HG, Bridge JA. Extra copies of chromosomes 7, 8, 12, 19, and 21 are recurrent in adamantinoma. *J Mol Diagn* 3(1): 16-21, 2001.
36. Parsons JT, Zlotecki RA, Reddy KA, Mitchell TP, Marcus RB, Scarborough MT. The role of radiotherapy and limb-conserving surgery in the management of soft-tissue sarcomas in adults. *Hematol Oncol Clin North Am* 15(2):377-388, 2001.
37. Wheeler DL, Haynie JL, Berrey H, Scarborough M, Enneking W. Biomechanical evaluation of retrieved massive allografts: preliminary results. *Biomed Sci Instrum*. 37:251-6. 2001.
38. Leggon RE, Huber TS, Scarborough MT. Limb salvage surgery with vascular reconstruction. *Clin Orthop Relat Res* (387): 207-216, 2001.
39. Helmstedter CS, Goebel M, Zlotecki R, Scarborough MT. Pathologic fractures after surgery and radiation for soft tissue tumors. *Clin Orthop Relat Res* (389): 165-172, 2001.

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40. Gibbs CPJr, Weber K, Scarborough MT. Malignant bone tumors. *Instr Course Lect* (51):413-428, 2002.
41. Scarborough MT, Berrey BH, Enneking WF, Aboulafia A, Mindell E. Guest Editors. Editorial Comment. Symposium – Papers Presented at the 2000 and 2001 Meetings of the Musculoskeletal Tumor Society. *Clin Orthop Relat Res*, Section I, (397): 2, April 2002.
42. Virkus WW, Marshall D, Enneking WF, Scarborough MT. The effect of contaminated surgical margins revisited. *Clin Orthop Relat Res* (397): 89-94, 2002.
43. Virkus WW, Mollabashy A, Reith JD, Zlotecki RA, Berrey BH, Scarborough MT. Preoperative radiotherapy in the treatment of soft tissue sarcomas. *Clin Orthop Relat Res* (397): 177-189, 2002.
44. Mollabashy A, Virkus WW, Zlotecki RA, Berrey BH, Scarborough MT. Radiation therapy for low-grade soft tissue sarcoma. *Clin Orthop Relat Res* (397): 190-195, 2002.
45. Morey TE, Giannoni J, Duncan E, Scarborough MT, Enneking FK. Nerve sheath catheter analgesia after amputation. *Clin Orthop Relat Res* (397): 281-289, 2002.
46. Marcus Jr RB, Berrey BH, Graham-Pole J, Mendenhall N, Scarborough MT. The treatment of Ewing's sarcoma of bone at the University of Florida: 1969 to 1998. *Clin Orthop Relat Res* (397): 290-297, 2002.
47. Muraskin S, Mollabashy A, Bush C, Reith JD, Scarborough MT. Tibia lesion in a 12-year-old boy. *Clin Orthop Relat Res* (400): 254-258, 264-267, 2002.
48. Feigenberg SJ, Marcus Jr RB, Zlotecki RA, Scarborough MT, Enneking WF. Whole-lung radiotherapy for giant cell tumors of bone with pulmonary metastases. *Clin Orthop Relat Res* (401): 202-208, 2002.
49. Zlotecki RA, Scarborough MT, Morris CG, Berrey BH, Lind DS, Enneking WF, Marcus RB. External beam radiotherapy for primary and adjuvant management of aggressive fibromatosis. *Int J Radiat Oncol Biol Phys* 54(1): 177-181, 2002.
50. Patel SJ, Lynch JW, Johnson T, Carroll RR, Schumacher C, Spanier S, Scarborough M. Dose-intense ifosfamide/doxorubicin/cisplatin based chemotherapy for osteosarcoma in adults. *Am J Clin Oncol* 25(5): 489-495, 2002.
51. Marshall DT, Amdur RJ, Scarborough MT, Mendenhall NP, Virkus WW. Stage IE primary non-Hodgkin's lymphoma of bone. *Clin Orthop Relat Res* 405: 216-222, 2002.
52. Feigenberg SJ, Marcus RB Jr, Zlotecki RA, Scarborough MT, Berrey BH, Enneking WF. Radiation Therapy for Giant Cell Tumors of Bone. *Clin Orthop Relat Res* 411: 207-216, 2003.
53. Reith JD, Horodyski MB, Scarborough MT. Grade 2 chondrosarcoma: stage 1 or stage II tumor? *Clin Orthop Relat Res* (415): 45-51, 2003.
54. Scarborough MT. The biopsy. *Instr Course Lect* (53): 639-44, 2004.
55. Stevens JE, Walter GA, Okereke E, Scarborough MT, Esterhai JL, George SZ, Kelley MJ, Tillman SM, Gibbs JD, Elliott MA, Frimel TN, Gibbs CP, Vandeborne K. Muscle adaptations with immobilization and rehabilitation after ankle fracture. *Med Sci Sports Exerc* 36(10): 1695-1701, 2004.
56. Leggon RE, Zlotecki R, Reith J, Scarborough MT. Giant cell tumor of the pelvis and sacrum: 17 cases and analysis of the literature. *Clin Orthop Relat Res* (423): 196-207, 2004.

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57. Sforzo CR, Scarborough MT, Wright TW. Bone-forming tumors of the upper extremity and Ewing's sarcoma. *Hand Clinics* 20(3): 303-315, 2004.
58. Mendenhall WM, Zlotecki RA, Scarborough MT. Dermatofibrosarcoma protuberans. *Cancer* 101(11):1503-1508, 2004.
59. Mendenhall WM, Zlotecki RA, Morris CG, Hochwald SN, Scarborough MT. Aggressive fibromatosis. *Am J Clin Oncol* 28(2): 211-215, 2005.
60. Pathare N, Walter GA, Stevens JE, Yang Z, Okerke E, Gibbs JD, Esterhai JL, Scarborough MT, Gibbs CP, Sweeney HL, Vanderborne K. Changes in inorganic phosphate and force production in human skeletal muscle after cast immobilization. *J Appl Physiol* 98 (1): 307-314, 2005. [Epub 2004 Aug 27]
61. Alqueza AB, DiCaprio MR, Lindskog DM, Reith J, Scarborough MT. Chronic knee pain in a 21-year-old woman. *Clin Orthop Relat Res* (432):272-278, 2005.
62. DiCaprio MR, Lindskog DM, Husted D, Reith J, Scarborough MT. Knee pain in a 14-year-old girl. *Clin Orthop Relat Re.* 435:267-275, 2005.
63. Dagan R, Morris CG, Zlotecki RA, Scarborough MT, Mendenhall WM. Radiotherapy in the treatment of dermatofibrosarcoma protuberans. *Am J Clin Oncol* 28(6): 537-539, 2005.
64. Pathare NC, Stevens JE, Walter GA, Shah P, Jayaraman A, Tillman SM, Scarborough MT, Gibbs CP, Vandeborne K. Deficit in human muscle strength with cast immobilization: contribution of inorganic phosphate. *Eur J Appl Physiol* 98(1):71-78, 2006. [Epub 2006 July 14]
65. Stevens JE, Pathare NC, Tillman SM, Scarborough MT, Gibbs CP, Jayarman A, Walter GA, Vandeborne K. Relative contributions of muscle activation and muscle size to plantarflexor torque during rehabilitation after immobilization. *J Orthop Res* 24(8): 1729-1736, 2006.
66. Mendenhall WM, Zlotecki RA, Gibbs CP, Reith JD, Scarborough MT, Mendenhall NP. Aneurysmal bone cyst. *Am J Clin Oncol* 29(3):311-315, 2006.
67. Mendenhall WM, Zlotecki RA, Scarborough MT, Gibbs CP, Mendenhall NP. Giant cell tumor of bone. *Am J Clin Oncol* 29(1):96-99, 2006.
68. Schoenfeld GS, Morris CG, Scarborough MT, Zlotecki RA. Adjuvant radiotherapy in the management of soft tissue sarcoma involving the distal extremities. *Am J Clin Oncol* 29(1):62-65, 2006.
69. Mendenhall WM, Mendenhall CM, Reith JD, Scarborough MT, Gibbs CP, Mendenhall NP. Pigmented villonodular synovitis. *Am J Clin Oncol* 29(6): 548-550, 2006.
70. Chen Y, Gregory CM, Scarborough MT, Shi R, Walter GA, Vandeborne, K. Transcriptional pathways associated with skeletal muscle disuse atrophy in humans. *Physiol Genomics* 31(3): 510-520, 2007. [Epub 2007 Sept 5]
71. Perrin GQ, Li H, Fishbein L, Thomson SA, Hwang MS, Scarborough MT, Yachnis AT, Wallace MR, Mareci TH, Muir D. An orthotopic xenograft model of intraneural NF1 MPNST suggests a potential association between steroid hormones and tumor cell proliferation. *Lab Invest* 87(11):1092-102, 2007. [Epub 2007 Sept 17]
72. Indelicato DJ, Keole SR, Shahlaee AH, Shi W, Morris CG, Gibbs CP Jr, Scarborough MT, Marcus RB Jr. Impact of local management on long-term outcomes in Ewing tumors of the pelvis and sacral bones: the University of Florida experience. *Int J Radiat Oncol Biol Phys* 72(1):41-8, 2008. [Epub 2008 Jan 30]

73. Indelicato DJ, Keole SR, Shahlaee AH, Shi W, Morris CG, Gibbs CP Jr, Scarborough MT, Marcus RB Jr. Long-term clinical and functional outcomes after treatment for localized Ewing's tumor of the lower extremity. *Int J Radiat Oncol Biol Phys* 70(2):501-509, 2008. [Epub 2007 Sept 5]
74. Domson GF, Bush CH, Reith JR, Rajaram A, Scarborough MT, Gibbs CP. Periosteal chondroma at birth. *Skeletal Radiol* 37(6):559-562, 2008.
75. Shi W, Indelicato DJ, Keole SR, Morris CG, Scarborough MT, Gibbs PC, Zlotecki RA. Radiation treatment for Ewing family of tumors in adults: the University of Florida experience. *Int J Radiat Oncol Biol Phys* 72(4):1140-5, 2008. [Epub 2008 May 29]
76. Indelicato DJ, Meadows K, Gibbs CP Jr, Morris CG, Scarborough MT, Zlotecki RA. Effectiveness and morbidity associated with reirradiation in conservative salvage management of recurrent soft-tissue sarcoma. *Int J Radiat Oncol Biol Phys* 73(1):267-72, 2009. [Epub 2008 Aug 15]
77. Mendenhall WM, Indelicato DJ, Scarborough MT, Zlotecki RA, Gibbs CP, Mendenhall NP, Mendenhall CM, Enneking WF. The management of adult soft tissue sarcomas. *Am J Clin Oncol* 2(4): 436-442, 2009.
78. Domson GF, Shahlaee A, Reith JD, Scarborough MT, Gibbs, CP. Infarct associated bone sarcomas. *Clin Orthop Relat Res* 467(7):1820-1825, 2009.
79. Indelicato DJ, Keole SR, Lagmay JP, Morris CG, Gibbs CP Jr, Scarborough MT, Islam S, Marcus RB Jr. Chest wall Ewing sarcoma family of tumors: Long-term outcomes. *Int J Radiat Oncol Biol Phys* 2010 Aug 21 [Epub ahead of print].
80. Bush CH, Adler Z, Drane WE, Tamurian R, Scarborough MT, Gibbs CP. Percutaneous radionuclide ablation of axial aneurysmal bone cysts. *AJR Am J Roentgenol* 194(1): W84-90 2010.
81. Indelicato DJ, Keole SR, Shahlaee AH, Morris CG, Gibbs CP Jr, Scarborough MT, Pincus DW, RB Jr. Spinal and paraspinal Ewings tumors. *Int J Radiat Oncol Biol Phys* 76(5):1463-1471, 2010. [Epub 2009 Jul 23].
82. Prendergast B, Fiveash JB, Gibbs P, Scarborough MT. Radiotherapy for soft tissue sarcoma of the proximal lower extremity. *Sarcoma* ID: (2010):829498, 10 pages, 2010.
83. Toy P, White J, Scarborough MT, Gibbs CP, Enneking WF. Distal femoral osteoarticular allografts: Long-term survival, but frequent complications. *Clin Orthop Relat Res* 468(11): 2914-2923, 2010.
84. Siddiqui T, Marsh Rde W, Allegra C, Whittaker D, Scarborough M, Gibbs P, Zlotecki R, Reith JD, Drane W. Effective salvage treatment of recurrent Ewing sarcoma utilizing chemotherapy and zoledronic acid. *Clin Adv Hematol Oncol* 8(7):499-504, 2010.
85. White J, Toy P, Gibbs CP, Enneking WF, Scarborough MT. The Current Practice of Orthopaedic Oncology in North America. *Clin Orthop Rel Res* 468(11):2914-2923, 2010. [Epub June 2010]
86. Carmody-Soni EE, Miller BJ, Scarborough MT, Reith JR, Gibbs CP. Cyclooxygenase-2 (COX-2) Expression Is Not Associated with Clinical Outcome in Synovial Sarcoma. *Oncol Rep.* 2011 Dec; 26(6): 1513-1517.
87. Gaskins RB, Miller BJ, Scarborough MT. Charcot arthropathy of shoulder: a case report. *Orthop Surg* 2011 Nov; 3(4):268-70.
88. Indelicato DJ, Keole SR, Lagmay JP, Morris CG, Gibbs CP Jr, Scarborough MT, Islam S, Marcus RB Jr. Chest wall Ewing sarcoma family of tumors: Long-term outcomes. *Int J Radiat Oncol Biol Phys.* 2010 Aug 21 [Epub ahead of print]. 2011 Sep 1;81(1):158-66.

89. Miller BJ, Soni EE, Gibbs CP, Scarborough MT. Intramedullary nails for long bone metastases: why do they fail? *Orthopedics*, 2011 Apr 11;34(4). doi: 10.3928/01477447-20110228-12.
90. Carmody-Soni EE, Miller BE, Scarborough MT, Gibbs CP. Functional outcomes and gait analysis of patients after periacetabular sarcoma resection with and without ischiofemoral arthrodesis. *J Surg Oncol*. 2012 Apr 30 (Epub ahead of print).
91. Smith KB, Indelicato DJ, Knapik JA, Lagmay JP, Morris C, Kirwan JM, Zlotecki RA, Scarborough MT, Gibbs CP, Marcus RB. Adjuvant Radiotherapy for Pediatric and Young Adult Nonrhabdomyosarcoma Soft-Tissue Sarcoma. *Int J Radiat Oncol Biol Phys*, 2011 May 6. [Epub ahead of print]. Sept 2011; 81(1):150-7.
92. Smith KB, Indelicato DJ, Knapik JA, Morris C, Kirwan J, Zlotecki RA, Scarborough MT, Gibbs CP, Marcus RB. Definitive radiotherapy for unresectable pediatric and young adult nonrhabdomyosarcoma soft tissue sarcoma. *Pediatr Blood Cancer*, Aug 2011, 57(2):247-51.
93. Rutenberg MS, Indelicato DJ, Knapik JA, Lagmay JP, Morris C, Zlotecki RA, Scarborough MT, Gibbs CP, Marcus RB. External-beam radiotherapy for pediatric and young adult desmoid tumors. *Pediatric Blood Cancer* 2011 Sept; 57(3): 435-442.
94. Dagan R, Indelicato JF, McGee L, Morris CG, Kirwan JM, Knapik J, Reith J, Scarborough MT, Gibbs CP, Marcus RB Jr, Zlotecki RA. The significance of a marginal excision after preoperative radiation therapy for soft tissue sarcoma of the extremity. *Cancer*. 2011 Oct 21. Doi: 10.1002/cncr.26489. (epub ahead of print).
95. Shi W, Smith KB, Indelicato DJ, Morris MS, Scarborough MT, Gibbs CP, Zlotecki RA. Long Term Treatment Outcomes for Patients with Synovial Sarcoma: A 40 Year Experience at the University of Florida. *Accepted Int J Radiat Oncol Biol Phys. Am J Clin Oncol* 2012 Jan 19. (Epub ahead of print)
96. McGee L, Indelicato JF, Dagan R, Morris CG (Knapik JA, Reith JD, Scarborough MT, Gibbs CP, Marcus RB Jr, Zlotecki RA. Long-term Results Following Postoperative Radiotherapy for Soft Tissue Sarcomas of the Extremity. *Int J. Radiat Oncol Biol Phys* 2012 May 4 (Epub ahead of print)

Multi-Center Study, Scarborough, MT (Collaborator)

Marabello L, Yu K, Berndt SI, Burdett L, et al. A comprehensive candidate gene approach identifies genetic variation associated with osteosarcoma. *BMC Cancer*, 2011; 11: 209-216.

Kim FM, Hayes C, Williams PL, Whiteford GM, Joshipura KJ, Hoover RN, Douglass CW: National Osteosarcoma Etiology Group. An assessment of bone fluoride and osteosarcoma. *J Dent Res* 2011; Oct: 90(10): 1171-1176. Epub 2011 July 28.

ABSTRACTS

1. Cheng EY, Deloria LB, Scarborough MT, Oegema TR. Growth Inhibition of Giant Cell Tumor Stromal Cells by Normal Bone Marrow. Abstract in Orthopaedic Transactions of 41st Annual Meeting of the Orthopaedic Research Society, 1995.
2. Ballinger JR, Scott KN, Scarborough M. H-1 Spectroscopy of Musculoskeletal Tumors in Humans. Proceedings of the Society of Magnetic Resonance 3rd Scientific Meeting and Exhibition. Vol 3. Nice, France; Aug 19-25, 1995.

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3. Scarborough M, Kim B-S, Rice L, Spanier S, Strates B. Sensitivity to Chemotherapeutics and Gene Expression in Osteosarcoma Cell Lines. Abstract in Orthopaedic Transactions, Vol. 20, No. 1, 1996.
4. Kim B-S, Scarborough MT, Spanier SS, Strates BS. Drug Resistance in Osteosarcoma-Derived Cells Exposed to a Series of Adriamycin Concentrations. Abstract in Orthopaedic Transactions, Vol. 20, No. 3, 1996-97.
5. Cassanova JM, Spanier SS, Leggon RE, Scarborough MT. Long Term Follow-up of Stage IIB Extremity Osteosarcoma: The Effect of Local Tumor Extent on Prognosis. *Sarcoma*, 5 (Suppl. 1):18-19, 2001.
6. Scarborough MT, Moon B, Worrell D. Long-Term Follow-up of Allograft Arthrodesis of the Knee Following Resection for Tumor. Association of Bone and Joint Surgeons Annual meeting program. Nashville, TN; June 16-20, 2004.
7. Gohari AR, Reith J, Scarborough MT, Khuddus N, Ratnakaram R, Shahlaee A. A Case Report of Multifocal Juvenile Xanthogranuloma Presenting as Bilateral Vitreous Hemorrhages in a Neonate. 23rd Annual Meeting of the Histiocyte Society. Cambridge, UK. September 23-25, 2007.

BOOK CHAPTERS

1. Enneking FK, Scarborough MT. Anesthesia for Orthopaedic Surgery. **In:** *Clinical Anesthesia Practice*, R Kirby and N Gravenstein (Eds); W. B. Saunders Co, Philadelphia, PA; 1994.
2. Marcus RB, McGrath B, Conner K, Scarborough M. Long-Term Effects on the Musculoskeletal and Integumentary Systems and the Breast. **In:** *Survivors of Childhood Cancer: Assessment and Management*, C Schwartz, W Hobbie, L Constine, K Ruccione (Eds); Mosby, St. Louis, MO; 1994.
3. Scarborough MT, Enneking WF. Methods for the Evaluation of Materials, Techniques and Functional Outcome after Major Skeletal Reconstruction. **In:** *Skeletal Reconstruction*; GE Friedlaender, A Ross (Eds) Edward Arnold Publishers.
4. Lindner NJ, Scarborough MT. The Principles of Biopsy and Staging of Bone Tumors. **In:** *Orthopaedic Surgery: The Essentials*. Baratz, Watson, Imbriglia, (Eds.). Pages 801-809; 1999.
5. Beringer DC, Meyer MS, Scarborough MT. Benign Lesions of the Musculoskeletal System. **In:** *Orthopaedic Surgery: The Essentials*. Baratz, Watson, Imbriglia, (Eds.), pages 811-830; 1999.
6. Scarborough MT. Musculoskeletal Neoplasms: Staging, Biopsy, and Surgical Margins. **In:** *Clinical Orthopaedics* EV Craig (Ed), Pages 972-975; 1999.
7. McGrath BE, Scarborough MT, Clohisy DR. Malignant Bone Tumors. **In:** *Clinical Orthopaedics*. EV Craig (Ed); Pages 988-993; 1999.
8. Enneking FK, Scarborough MT, Virkus WW. Anesthesia for Orthopedic Surgery. **In:** *Clinical Anesthesia Practice -2nd Edition*; Kirby, Gravenstein, Lobato, Gravenstein (Eds). W. B. Saunders Co, Philadelphia, PA; Pages 1397-1419; 2002.
9. Scarborough MT, Powell G. Orthopaedics. **In:** *Biopsy*; Fitzgerald, Kaufer, Malkani (Eds), Mosby, St. Louis, MO; Pages 1002-1005; 2002.
10. Gibbs CP, Weber K, Scarborough MT. *Malignant Bone Tumors*. JH Beaty (Ed.). Volume 51, Chapter 44, AAOS Instructional Course Lectures. Pages 413-428; 2002.

11. Scarborough MT. *The Biopsy*. Volume 53, Chapter 59, Pages 639-644 in AAOS Instructional Course Lectures. David L Helfet, MD and Walter B. Greene, MD, Editors; 2004.
12. Gibbs CP, Scarborough MT. Soft Tissue Masses of the Extremities. **In:** *Surgical Decision Making*; 5th edition. RC McIntyre, GV Stiegmann, B Eiseman (Eds.) Elseiver; 2004
13. Domson G, Scarborough MT, Gibbs CP. Malignant Bone Tumors in Children. **In:** *Orthopaedic Knowledge Online*, A Aboulafla (Ed.), AAOS. <http://www5.aaos.org/oko/menus/oncology.cfm>
14. Domson G, Scarborough MT, Gibbs CP. Fibrous Bony Lesions. **In:** *Orthopaedic Knowledge Online*, A Aboulafla (Ed.) AAOS. <http://www5.aaos.org/oko/menus/oncology.cfm>

PRESENTATIONS

Regional:

1. Heterotopic Ossification after Surgically Treated Acetabular Fractures. G.W.N. Eggers Society Meeting. May 1990.
2. A Retrospective Comparison of Surgery Versus Radiation Therapy for Treatment of the Primary Disease in Ewing's Sarcoma.
3. Orthopaedic Manifestations of Neurofibromatosis. Meeting of Neurofibromatosis Society, Florida Chapter. Gainesville, FL, April 1994.
4. Soft Tissue Sarcomas. General Surgical Grand Rounds, University of Florida College of Medicine. March 1995.
5. Nerve Sheath Catheters for Analgesia Following Upper Extremity Amputation. Enneking FK, Scarborough MT, Radson EA, Holsbeke MJ. American Society of Regional Anesthesia. Orlando, FL, April 1995.
6. Soft Tissue Sarcomas. First Annual Oncology Symposium, University of Florida, Orlando, FL; June 1995.
7. Treatment of Osteosarcoma. In-service presentation for Physical Therapy Department, Shands Hospital, Gainesville, FL; April 1996.
8. Biopsy and Staging of Bone and Soft Tissue Sarcomas. Surgery Grand Rounds, UF College of Medicine, Gainesville, FL; December 1997.
9. Orthopedic Complications of NFL. National Neurofibromatosis Foundation, Florida Chapter, Regional Meeting, Gainesville, FL; January 1998.
10. Pediatric Sarcomas. Moderator and invited speaker. Joint Cancer Conference of the Florida Universities, Lake Buena Vista, FL; January 1999.
11. Major Surgical Pain: A Surgeon's Perspective. Scarborough, M. Perioperative Pain Management Seminar, Gainesville, FL; December 1999.
12. UF Medical Student, Musculoskeletal Pathology Small Group Mentor, February 2000.
13. Major Surgical Pain: A Surgeon's Perspective. Scarborough M. Perioperative Pain Management Seminar, Gainesville, FL; December 2000.
14. UF Medical Student Phase B Lecture, January 2001.

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15. UF Medical Student, Musculoskeletal Pathology small Group Mentor. January 2001.
16. University of Florida, Department of Pediatrics. Resident Lecture series. Ewing's Sarcoma update. April 2003
17. Orthopaedic Issues in NF1. National Neurofibromatosis Foundation – Florida Chapter Regional Meeting. Gainesville, FL; April 2004.
18. J. Warren White Lecture “Treatment of Metastatic Disease to Bone.” Guest lecturer, The 31st Annual Greenville Orthopaedic Day. Greenville, SC; May 2005.
19. The Biopsy. Guest lecturer, The 31st Annual Greenville Orthopaedic Day. Greenville, SC; May 2005.
20. The Rotationplasty. Guest lecturer, The 31st Annual Greenville Orthopaedic Day. Greenville, SC; May 2005.
21. Eggers Society Meeting, University of Texas Medical Branch, Galveston, Texas. Guest Lecturer. Metastatic Disease. May 2005.

National:

1. American Academy of Orthopaedic Surgeons. Los Angeles, CA; March 1991. (Poster)
2. Osgood Lectureship -- Massachusetts General Hospital, Boston, MA; May 1991.
3. Musculoskeletal Tumor Society Meeting. Buffalo, NY; May 1991.
4. American Academy of Pediatrics. New Orleans, LA; October 1991.
5. Allograft Arthrodesis Following Proximal Humeral Resection. T Layton, R Vander Griend, M Scarborough. American Academy of Orthopaedic Surgeons, San Francisco, CA; February 1993.
6. Mesenchymoma of the Extremities. Randall J, Scarborough M, Nelson T. Society of Surgical Oncology Inc., 47th Annual Meeting, Houston, TX; March 17-20 1994.
7. Analgesic Infusion through Nerve Sheath Catheters after Upper Extremity Amputation Prevents Phantom Limb Pain. Enneking FK, Scarborough MT, Dixon CL, Nelson TE, Holsbeke MJ. The American Society of Regional Anesthesia, Chicago, IL; April 1994.
8. Dynamic Contrast Enhanced CAT Scan in the Evaluation of Radiolucent Lesions of Bone. McGrath B, Scarborough M, Nelson T, Bush C, Ang P. American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA; February 1994.
9. Comparison of an In Vitro Chemosensitivity Test in Three Human Osteosarcoma Cell Lines. Kim B-S, Scarborough MT, Rice L, Spanier S, Strates BS, Schuster SM. American Society of Bone and Mineral Research Annual Meeting, Sept 9-13, 1994.
10. Growth Inhibition of Giant Cell Tumor Stromal Cells by Normal Bone Marrow. Cheng EW, Deloria LB, Scarborough MT, Oegema TR. 41st Annual Meeting of the Orthopaedic Research Society. Orlando, FL; February 1995.
11. Preoperative Radiotherapy for Adult Soft Tissue Sarcomas: Survival, Local Control, Limb Conservation and Complications. Zlotecki R, Scarborough M, Enneking W, McCullough M, Parsons J, Marcus R. American Society for Therapeutic Radiology and Oncology, 37th Annual Scientific Meeting, Miami Beach, FL; October 8-11, 1995.

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12. Drug Resistance in Osteosarcoma-Derived Cells Exposed to a Series of Adriamycin Concentrations. Strates B, Scarborough MT. 42nd Annual Meeting of Orthopaedic Research Society, Atlanta, GA; February 1996.
13. Growth Inhibition of Giant Cell Tumor Stromal Cells by Normal Bone Marrow. Cheng E, Deloria L, Scarborough MT, Oegema T Jr. Orthopaedic Research Society Annual Meeting, Orlando, FL; February 1995.
14. Expression of the *mdr1* and *mdm2* Genes in U20S and SaOS2 Cells Treated with Adriamycin. Rice L, Kim B-S, Scarborough MT, Strates BS, Schuster SM. Poster presentation at ASBMR Meeting, 1996.
15. Nonvascularized Bone: Long-Term Results of Large Segment Reconstruction after Tumor Excision. Specialty Day Presentation, Musculoskeletal Tumor Society, Atlanta, GA; February 1996.
16. Incidence of Subsequent Degenerative Arthritis of the Knee Following Cementation With and Without Subchondral Bone Grafting for Juxta-Articular Giant Cell Tumors about the Knee. Scarborough MT, Campanacci D, Ferraro A, Mercuri M, Ruggieri P, Campanacci M, Enneking WF. Annual Meeting of American Academy of Orthopaedic Surgeons, Atlanta, GA; February 1996.
17. Knee Preservation Following Resection of Tumors of the Proximal Tibia. Scarborough MT, Capanna R, Manfrini M, Ceruso M, Angeloni R, Innocenti M, Lauri G, Bufalini C, Campanacci M. Annual Meeting of American Academy of Orthopaedic Surgeons, Atlanta, GA; February 1996.
18. Management of Sacrococcygeal Chordoma. Moreau G, Scarborough MT, Enneking WF. Poster presented at Annual Meeting of American Academy of Orthopaedic Surgeons, Atlanta, GA; February 1996.
19. Nerve Sheath Catheters for Analgesia Following Upper Extremity Amputation. Enneking FK, Scarborough MT, Radson EA, Holsbeke MJ. Poster presented at Annual Meeting of American Academy of Orthopaedic Surgeons, Atlanta, GA; February 1996.
20. Sensitivity to Chemotherapeutics and Gene Expression in Osteosarcoma Cell Lines. Scarborough MT, Kim B-S, Rice L, Spanier S, Strates B, Schuster S. Poster presented at Annual Meeting of American Academy of Orthopaedic Surgeons, Atlanta, GA; February 1996.
21. Long Term Follow-Up of Resection-Arthrodesis of the Knee Using Massive Conventional Autogenous Bone Grafts. Wolf R, Enneking WF, Springfield DS, Scarborough MT. Poster presented at Annual Meeting of American Academy of Orthopaedic Surgeons, Atlanta, GA; February 1996.
22. Arthrodesis of the Knee: Autograft versus Allograft. Specialty Society Day--Musculoskeletal Tumor Society, Atlanta, GA; February 1996.
23. Arthrodesis Following Resection of Tumors about the Knee: Autograft Versus Allograft Arthrodesis. Florida Orthopaedic Society, 1997 Annual Meeting, Orlando, FL; June 6-8, 1997.
24. Allograft-Allograft Healing? Salvage of Massive Allografts Following Fracture. Scarborough MT. Musculoskeletal Tumor Society Annual Meeting, Denver, CO; May 13-15, 1999.
25. Limb Salvage Surgery with Vascular Reconstruction. Leggon RE, Huber TS, Scarborough, MT. Musculoskeletal Tumor Society Annual Meeting, Gainesville, FL; May 11-13, 2000.
26. Radiation Therapy for Low Grade Soft Tissue Sarcomas. Mollabashy A, Virkus W, Zlotecki R, Berrey BH, Scarborough MT. Musculoskeletal Tumor Society Annual Meeting, Gainesville, FL; May 11-13, 2000.

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27. Preoperative Radiotherapy in the Treatment of Soft Tissue Sarcoma: the Preliminary University of Florida Experience. Virkus W, Mollabashy A, Reith JD, Berrey BH, Zlotecki R, Scarborough MT. Musculoskeletal Tumor Society Annual Meeting, Gainesville, FL; May 11-13, 2000.
28. Giant Cell Tumor of the Pelvis and Sacrum: Review of Seventeen Cases and Meta-Analysis. Leggon RE, Berrey BH, Zlotecki R, Reith J, Wood D, Vlasak R, Scarborough MT. Musculoskeletal Tumor Society Annual Meeting, Gainesville, FL; May 11-13, 2000.
29. Low Grade Soft Tissue Sarcoma: University of Florida Experience. Mollabashy A, Virkus W, Zlotecki RA, Berrey BH, Scarborough MT. Musculoskeletal Tumor Society Annual Meeting, Gainesville, FL; May 11-13, 2000.
30. Review of the Use of Allograft Tissue in Pediatric Limb Salvage: The Usefulness of Allograft Bone in Pediatric Orthopaedic Oncology Surgical Procedures. Scarborough M. American Association of Tissue Banks, 24th Annual Meeting, Bal Harbour, FL; September 11, 2000.
31. Limb Salvage 2000. Scarborough M. Academic Hospital Affiliates Meeting, Vail, CO; February 2000.
32. Long Term Follow-up of Stage IIB Extremity Osteosarcoma: The Effect of Local Tumor Extent on Prognosis. Casanova J, Spanier S, Leggon RE, Scarborough MT. Poster at the 7th Annual Meeting of the Connective Tissue Oncology Society, Palm Beach, FL; November, 2001.
33. Long Term Follow-Up of Patients with Allograft Arthrodesis of the Knee. Moon B, Worrell D, Scarborough M. Presentation for the 70th Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA; February 5-9, 2003.
34. Our Goal in Life...Never Having to Talk to a Lawyer – Medico-legal Implications. Scarborough M, Gibbs E. 70th Annual Meeting of the American Academy of Orthopaedic Surgeons in New Orleans, LA; February 5-9, 2003.
35. Moderator: Malignant Bone Tumors. Gibbs CP, Webb K, Scarborough M. 70th Annual Meeting of the American Academy of Orthopaedic Surgeons in New Orleans, LA; February 5-9, 2003.
36. Malignant Bone Tumors Instructional Course. Moderator – American Academy of Orthopaedic Surgeons. San Francisco, CA; March 10, 2004.
37. Symposium on Oncologic Pitfalls and Solutions for the General Orthopaedist. “Which Bone and Soft Tissue Tumors can be Treated by a General Orthopaedist?” American Academy of Orthopaedic Surgeons. San Francisco, CA; March 12, 2004.
38. Unique Surgical Considerations in Lower Extremity Prosthetics and Prosthetic Knee Systems – The Engineers Perspective. Scarborough M, Miller S, Gardner M, O’Donnell R, Carroll K, Liang M, Mejia N, Kelley C, Radcliffe C, Stark G. 2005 Hanger Education Fair. Reno, NV; February 3, 2005.
39. Symposium on Oncologic Pitfalls for the General Orthopaedist. “The Biopsy.” American Academy of Orthopaedic Surgeons. Washington, DC; February 24, 2005.
40. Survival after Pulmonary Metastasectomy in Patients with Soft Tissue Sarcomas and Osteosarcomas. DiCaprio M, Lindskog D, Horodyski MB, Scarborough MT, Enneking WF. Scientific paper presented at The American Academy of Orthopaedic Surgeons 2005 Annual Meeting. Washington, DC; February 25, 2005.

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41. Debate: What is the Optimal Method of Reconstruction for Tumors of the Proximal Tibia? Resolved: An Allograft-Prosthetic Composite is the Preferred Reconstruction over a Prosthesis for the Proximal Tibia. Pro: Mark T. Scarborough, MD. Musculoskeletal Tumor Society Specialty Day. American Academy of Orthopaedic Surgeons 2005 Annual Meeting. Washington, DC; February 26, 2005.
42. Osteosarcoma of the Pelvis: The University of Florida Experience (1967-2005). Silverstein E, Hartzell J, Domson G, Scarborough MT, Enneking W, Gibbs CP. Paper #27. Musculoskeletal Tumor Society 2006 Annual Meeting. Key West, FL; June 9, 2005.
43. Allograft-Prosthetic Composites: The University of Florida Experience (1990-2005). McGarry SV, Gibbs, CP, Scarborough MT, Enneking WF. Paper #59 Musculoskeletal Tumor Society 2006 Annual Meeting. Key West, FL; June 10, 2006.
44. Symposium "Controversies in Orthopaedic Oncology. Issues for the Practicing Orthopaedist" Speaker. American Academy of Orthopaedic Surgeons 2006 Annual Meeting. Chicago, IL; March 22, 2006.
45. Arthroscopy Tumors: Orthopaedic Oncology Conditions that the Arthroscopist is Most Likely to Encounter. Speaker. American Academy of Orthopaedic Surgeons 2006 Annual Meeting. Chicago, IL; March 22, 2006.
46. Musculoskeletal Tumor Society Specialty Day – "North versus South Showdown: MSTS Jeopardy." Moderator. American Academy of Orthopaedic Surgeons 2006 Annual Meeting. Chicago, IL; March 25, 2006.
47. Pulmonary Surveillance for Metastasis in Low Grade Soft Tissue Sarcoma. Mark Scarborough, MD, Gibbs CP, Carmody Soni EE, Reith MD, Musculoskeletal Tumor Society, Philadelphia, PA; September 20 - October 2, 2010.
48. Gait Analysis and Functional Outcomes in Patients with Periacetabular Pelvic Resections with and without Ischiofemoral Pseudoarthrodesis: Mark Scarborough, MD, Charles Parker Gibbs, MD, Benjamin Miller, MD. Musculoskeletal Tumor Society, Philadelphia, PA; September 20 - October 2, 2010.
49. Musculoskeletal Tumor Society, Annual Meeting, Tampa, FL, September, 2012

International:

1. Complications and Function Following the Surgical Treatment of Ewing's Sarcoma. M Scarborough, M Gebhardt, D Springfield, H Mankin. International Symposium on Limb Salvage. Montreal, Canada. September 1991.
2. Preoperative Radiotherapy and Limb Salvage Surgery in Soft Tissue Sarcoma: Local Control and Wound Complications. WM McCollough, MT Scarborough, WF Enneking, JT Parsons, and RB Marcus Jr. International Symposium on Limb Salvage. Singapore. August 1993.
3. Giant Cell Tumor and Brown Tumor of Hyperparathyroidism: A Comparison of Cell Surface Markers and Growth in Bone Marrow Microenvironment Cell Culture. EY Cheng, LB Deloira, MT Scarborough and TR Oegema. International Symposium on Limb Salvage. Singapore. August 1993.
4. Conventional Autogenous Fibular Bone Grafts for Skeletal Reconstruction Following Tumor Resection. MT Scarborough and WF Enneking. International Symposium on Limb Salvage. Singapore. August 1993.
5. Conventional Autografts in Limb Salvage Surgery. A Course in Major Limb Reconstruction. Perth, Western Australia. September 1-4, 1993.

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6. Sensitivity to Chemotherapeutics and Gene Expression in Osteosarcoma Cell Lines. B-S Kim, Lori Rice, MT Scarborough, SS Spanier, B Strates, and SM Schuster. International Symposium on Limb Salvage, Florence, Italy. May 1995.
7. Multicentric-Giant Cell Tumor of Bone. M Scarborough, C Cummins, W Enneking. International Symposium on Limb Salvage, Florence, Italy. May 1995.
8. En Bloc Excision of Sarcomas and Aggressive Benign Tumors Involving the Spine. R Vlasak, M Scarborough, M Mac Millan. International Symposium on Limb Salvage, Florence, Italy. May 1995.
9. The Salvage of Failed Osteoarticular Allografts about the Knee. M Neel, R Vlasak, M Scarborough, W Enneking. International Symposium on Limb Salvage, Florence, Italy. May 1995.
10. Transphyseal Extension of Osteosarcoma. M Neel, C Bush, M Scarborough, W Enneking. International Symposium on Limb Salvage, Florence, Italy. May 1995.
11. Proximal Tibial Osteoarticular Allografts used for Limb Salvage after Resection of Tumors about the Knee. R Vlasak, M Neel, T Nelson, W Enneking, M Scarborough. International Symposium on Limb Salvage, Florence, Italy. May 1995.
12. Distal Femoral Osteoarticular Allografts used for Limb Salvage after Resection of Tumors about the Knee. R Vlasak, M Neel, T Nelson, W Enneking, M Scarborough. International Symposium on Limb Salvage, Florence, Italy. May 1995.
13. Juxta-articular Giant Cell Tumors about the Knee: A Review of the Combined Experience of the Rizzoli Institute and the University of Florida. MT Scarborough, D Campanacci, A Ferrera, M Mercuri, P Ruggieri, M Campanacci, and WF Enneking. International Symposium on Limb Salvage, Florence, Italy. May 1995.
14. Combination of Allograft and Vascularized Fibula Autograft. M Scarborough, M Manfrini, R Capanna, and M Campanacci. International Symposium on Limb Salvage, Florence, Italy. May 1995.
15. Orthopaedic Oncology Symposium, Gulhane Military Medical Faculty, Ankara, Turkey. May 20, 1995.
16. Management of Sacrococcygeal Chordoma. G Moreau, M Scarborough, WF Enneking. Canadian Orthopaedic Association, 51st Annual Meeting, Quebec City, Quebec. May 1996.
17. Wide Excision of Sarcomas and Aggressive Benign Tumors Involving the Spine. D May, R Vlasak, M Scarborough, M MacMillan. International Symposium, Bone Tumors of the Spine, Bologna, Italy. May 1996.
18. The Utility of Bone Scintigraphy with Spect Images for Detection of Pulmonary Metastases from Osteogenic Sarcoma. MT Scarborough, D J Pevarski, W E Drane. Second Sarcoma Research Conference, Bologna, Italy. November 1996.
19. Prognostic Factors Associated with Pulmonary Metastectomy--Osteosarcoma versus Soft Tissue Sarcoma. K Erler, MT Scarborough, N Lindner, DG Knauf, WF Enneking. Second Sarcoma Research Conference, Bologna, Italy. November 1996.
20. The Impact of the Tumor-Host Relationship on Oncological Outcome in Osteosarcoma. NJ Lindner, MT Scarborough, WF Enneking. Second Sarcoma Research Conference, Bologna, Italy. November 1996.
21. Ten Year Follow-up of Resection-Arthrodesis of the Knee. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.

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22. Resection Arthrodesis of the Ankle for Aggressive Benign and Malignant Tumors about the Ankle. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
23. Surgery and Postoperative Radiotherapy for Soft Tissue Sarcoma of the Trunk and Extremity, Survival, Local Control, Limb Salvage. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
24. Treatment and Oncologic Outcome of Pelvic Chondrosarcoma: A Clinical and Retrospective Study of Thirty-Four Patients. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
25. En Bloc Excision of Sarcomas and Aggressive Benign Tumors Involving the Spine. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
26. Pathologic Fracture of the Femur after Radiation and Surgical Excision of Soft Tissue Sarcomas of the Thigh. C Helstedter, M Scarborough. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
27. Evaluation of Marrow Margin in Osteosarcoma. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
28. New CT-Guided Radiofrequency Ablation for Treatment of Osteoid Osteoma in Comparison to Traditional Techniques. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
29. Primary Lymphoma of Bone. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
30. The Impact of the Local Host Response on the Oncological Outcome in Osteosarcoma. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
31. Treatment of Osteoid Osteoma with CT-Guided Ablation Compared with Traditional Operative Techniques. International Society of Limb Salvage, 9th International Symposium, New York, NY. September 1997.
32. Pathologic Fracture of the Femur after Radiation and Surgical Excision of Soft Tissue Sarcomas of the Thigh. Annual Meeting of the American Academy of Orthopaedic Surgeons, New Orleans, LA. March 1998.
33. Ankle Resection Arthrodesis for Bone Tumors. R Vlasak, R Vander Griend and Mark Scarborough. Combined Meeting of the American and European Musculoskeletal Tumor Societies. Washington, DC. May 6-10,1998.
34. Reoperation After Partial Excision of Soft Tissue Sarcomas: Presentation, Management and Outcome. D Beringer, M Scarborough and BH Berrey. Combined Meeting of the American and European Musculoskeletal Tumor Societies. Washington, DC. May 6-10,1998.
35. Percutaneous Radiofrequency Ablation of Osteoid Osteoma. G Moreau, D Barei, M Scarborough and M Neel. Combined Meeting of the American and European Musculoskeletal Tumor Societies. Washington, DC. May 6-10,1998.
36. Treatment and Outcome of Pathologic Fractures after Limb-Salvage Surgery and Adjuvant Irradiation for Soft Tissue Sarcoma. C Helmstedter, M Goebel and M Scarborough. Combined Meeting of the American and European Musculoskeletal Tumor Societies. Washington, DC. May 6-10,1998.
37. En Bloc Excision of Sarcomas and Aggressive Benign Tumors Involving the Spine. R Vlasak, M Scarborough and M MacMillan. Combined Meeting of the American and European Musculoskeletal Tumor Societies. Washington, DC. May 6-10, 1998.

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38. New Horizons in Orthopedic Oncology: Surgery Techniques. Turkish Orthopedic Oncology Congress. Ankara, Turkey, April 1998.
39. Local Host Response In Osteosarcoma After Chemotherapy In Comparison To Radiographs, CT, Tumor Necrosis and Patient Survival. NJ Lindner, MT Scarborough and WF Enneking. 10th International Symposium on Limb Salvage. Conference Proceedings, ISOLS, Cairns, Australia, April 1999.
40. Osteoarticular Allografts For Reconstruction Of The Distal Femur Following Tumor Resection. GJ Powell, MT Scarborough and WF Enneking. 10th International Symposium on Limb Salvage. Conference Proceedings, ISOLS, Cairns, Australia, April 1999.
41. A Preliminary Report On The Use Of Hydroxyapatite In The Treatment Of Benign Lesions Of Bone. BH Berrey, MT Scarborough, G Powell and RA Finlay. 10th International Symposium on Limb Salvage. Conference Proceedings, ISOLS, Cairns, Australia, April 1999.
42. Giant Cell Tumors About The Knee: Long-Term Follow-Up and Complications Associated With Curettage and Cementation. N Lujic, DA Campanacci, R Klossner, and MT Scarborough. 10th International Symposium on Limb Salvage. Conference Proceedings, ISOLS, Cairns, Australia, April 1999.
43. Local Host Response In Osteosarcoma After Chemotherapy In Comparison To Radiographs, CT, Tumor Necrosis and Patient Survival. Lindner, NJ, Scarborough, MT and Enneking, WF. 10th International Symposium on Limb Salvage. Conference Proceedings, ISOLS, Cairns, Australia, April 1999.
44. Osteoarticular Allografts For Reconstruction Of The Distal Femur Following Tumor Resection. Powell, GJ, Scarborough, MT and Enneking, WF. 10th International Symposium on Limb Salvage. Conference Proceedings, ISOLS, Cairns, Australia, April 1999.
45. Giant Cell Tumors About The Knee: Long-Term Follow-Up And Complications Associated With Curettage And Cementation. Lujic, N, Campanacci, DA, Klossner, R and Scarborough, MT. 10th International Symposium on Limb Salvage. Conference Proceedings, ISOLS, Cairns, Australia, April 1999.
46. Preoperative Radiation Therapy in the Treatment of Soft Tissue Sarcomas. Virkus W, Mollabashy A, Reith JD, Berry HB, Zlotecki RA, Scarborough MT. Connective Tissue Oncology Society 6th Annual Scientific Meeting, Amsterdam, The Netherlands. November 2-4, 2000.
47. Host Immune Response in Osteosarcoma. Casanova J, Reith JD, Berrey BH, Enneking WF, Scarborough MT. Connective Oncology Society 6th Annual Scientific Meeting, Amsterdam, The Netherlands. November 2-4, 2000.
48. Molecular Predictors of Outcome in Patients with Osteosarcoma. Reith JD, Casanova J, Berrey BH, Enneking WF, Scarborough MT. Connective Tissue Oncology Society 6th Annual Scientific Meeting, Amsterdam, The Netherlands. November 2-4, 2000.
49. Composite Intercalary Allograft/Vascularized Fibula for Juxtaphyseal High Grade Malignant Bone Tumors in Children. Michael Jofe, MD, Mark T. Scarborough, MD. POSNA. Cancun, Mexico. May 4, 2001.
50. Limb Salvage Surgery with Vascular Reconstruction. Leggon, R.E., Huber, T.S., Scarborough, M.T. Poster at the 11th International Symposium of the International Society of Limb Salvage, Birmingham, England, October, 2001.

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51. Giant Cell Tumor of the Pelvis and Sacrum: Review of Seventeen Cases and Meta-Analysis. Leggon, R.E., Berrey, B.H., Zloteck, R., Reith, J., Wood, D., Vlasak, R., Scarborough, M.T. Poster at the 11th International Symposium of the International Society of Limb Salvage, Birmingham, England, October, 2001.
52. Proximal shoulder reconstruction, Soft tissue sarcoma treatment and Allograft/Prosthetic Knee reconstruction. Guest Lecturer. Beijing, China. September 15, 2001.
53. Claviculo Pro Humero Procedure Following Resection of the Proximal Humerus for Osteosarcoma (OS). Kim, B.S., Moon, K.H., Park, S.R., Scarborough, M.T. Poster presentation at the 12th International Symposium on Limb Salvage. Rio de Janeiro, Brazil. September 15-17, 2003.
54. Benign Tumors. VII Congreso Nacional de Ortopedia y Traumatología. Sponsored by the Costa Rican Association of Orthopedics and Traumatology (ACOT). San José, Costa Rica. October 8, 2003.
55. Osteosarcoma and Ewing Sarcoma Update. VII Congreso Nacional de Ortopedia y Traumatología. Sponsored by the Costa Rican Association of Orthopedics and Traumatology (ACOT). San José, Costa Rica. October 8, 2003.
56. Surgical Treatment of Pelvic Tumors. VII Congreso Nacional de Ortopedia y Traumatología. Sponsored by the Costa Rican Association of Orthopedics and Traumatology (ACOT). San José, Costa Rica. October 8, 2003.
57. Reconstruction Following Resection of Tumors about the Knee. VII Congreso Nacional de Ortopedia y Traumatología. Sponsored by the Costa Rican Association of Orthopedics and Traumatology (ACOT). Invited Speaker. San José, Costa Rica. October 9, 2003.
58. Type II Pelvic Reconstruction with Pseudoarthrosis Paper given by Sean McGarry, MD. International Society of Limb Salvage Meeting, Seoul, Korea. September 10, 2005.
59. Radiofrequency Ablation of Osteoid Osteomas. Association of Bone and Joint Surgeons Annual Meeting Speaker. Buenos Aires, Argentina. April 3-7, 2006.
60. Risk Factors of Pulmonary Metastases Associated with Giant Cell Tumor of Bone. Association of Bone and Joint Surgeons annual meeting. Maui, Hawaii. May 14, 2009.
61. Long-term Follow-up of Osteoarticular Allografts of the Distal Femur. Patrick Toy, M.D.; Mark Scarborough, M.D.; Jeremy White, M.D.; Charles Parker Gibbs, M.D.: ISOLS/MSTS Meeting, Boston, Massachusetts, September 2009.
62. Intercalary Allograft Reconstruction of the Femur: An Intermediate Term Follow-up. Patrick Toy, M.D.; Mark Scarborough, M.D.; Jeremy White, M.D.; Charles Parker Gibbs, M.D.: ISOLS/MSTS Meeting, Boston, Massachusetts, September 2009.
63. Management of Infected Allografts. Jeremy White, M.D.; Patrick Toy, M.D.; Charles Parker Gibbs, M.D.; Mark Scarborough, M.D.: ISOLS/MSTS Meeting, Boston, Massachusetts, September 2009.
64. Musculoskeletal Oncology Workforce Survey. Jeremy White, M.D.; Patrick Toy, M.D.; C Parker Gibbs, M.D.; Mark Scarborough, M.D.: ISOLS/MSTS Meeting, Boston, Massachusetts, September 2009.
65. International Society of Limb Salvage 16th General Meeting, Beijing, China, September 2011

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MENTORING ACTIVITIES

<u>Orthopaedic Oncology Fellows</u>	<u>Year</u>	<u>Location after Fellowship</u>
Scott D. Weiner, M.D.	1992	Akron, OH
Brian McGrath, M.D.	1993	SUNY Buffalo, NY
Michael Neel, M.D.	1994	Memphis, TN
Guy Moreau, M.D.	1995	Ontario, CANADA
Robert Wolf, M.D.	1995	Waco, TX
Byoung-Suck Kim, MD	1995	Seoul, KOREA
Chris Helmstedter, M.D.	1996	Kaiser Permanente, Los Angeles, CA
Kaan Erler, M.D.	1996	Ankara, TURKEY
Norbert Lindner, M.D.	1996	GERMANY
Donald Beringer, M.D.	1997	Private Practice Macon, GA
Mark Meyer, M.D.	1997	Oschner Clinic, New Orleans LA
Gerard Powell, M.D.	1998	Melbourne, AUSTRALIA
Atique Durrani, M.D.	1999	Cincinnati Children's Hospital, Cincinnati, OH
Bob Leggon, M.D.	1999	Marshfield Clinic, Marshfield, WI
Allaaddin Mollabashy, MD	2000	Dallas, TX
Walter Virkus, M.D.	2000	Rush Presbyterian, Chicago, IL
Robert Satcher, MD	2001	MD Anderson Cancer Center, Houston, TX
Bryan Moon, MD	2002	MD Anderson Cancer Center, Houston, TX
Ray Barba, MD,	2003	University of Santo Tomas, Manila, Philippines
Yuqing Sun, MD,	2003	Jishuita Hospital, Beijing, China
Matthew DiCaprio, MD,	2004	Albany Medical Center, Schenectady, NY
Dieter Lindskog, MD,	2004	Yale University, New Haven, CT
Miguel Daccarett, MD,	2004	University of Nebraska, Omaha, NE
Sean McGarry, MD,	2005	University of Nebraska, Omaha, NE
Eric Silverstein, MD,	2006	St. Francis Hospital, Hartford, CT
Gregory Domson, MD,	2006	University of Virginia, Richmond, VA
Jose Casanova, MD	2007	University of Coimbra, PORTUGAL
Robert Tamurian, MD,	2008	Northern California Orthopaedic Centers, Carmichael, CA
Zachary Adler, MD,	2008	University of New Mexico, Albuquerque, New Mexico
Patrick Toy, MD,	2009	Campbell Clinic, Memphis, TN
Jeremy White, MD,	2009	University of Oklahoma, Oklahoma City, OK
Emily Carmody-Soni,	2010	George Washington University, Washington, DC
Benjamin Miller, MD	2010	University of Iowa, Iowa City, IA
Raj Rajani, MD	2011	University of Texas, San Antonio

MEDICAL STUDENT MENTORING

Douglas Messina	1991	Sam Muraskin	2000	Jonathan Pratt	2005	Gregory Faucher	2009
David Bellamy	1995	Corey Rothrock	2000	James Heaton	2006	Evan Siegall	2009
John Franklin	1995	John Lovejoy	2000	Jessica Aronowitz	2006	Dylan Nugent	2009
Mike Joblowski	1995	Margaret Davis	2000	Douglas Arnold	2006	Marcus Ford	2010
Stephen Simonich	1996	Chad Price	2001	Roger Saldana	2006	Ben Rogozinski	2010
Michael Gilmore	1997	James Reeves	2001	Arun Rajaram	2008	Shaun Reynolds	2010
Jason Thackeray	1997	Jason Shinn	2001	Brian Zirgibel	2008	Pranit Chotai	2010
Robert Sedaros	1997	John Gianini	2001	Mark Wilson	2008	Brent Wise	2010
David Cowin	1998	Tracy Jones	2002	Chung Ming Chan	2008	John Martino	2010
Kamal Bohsali	1999	Lee Leddy	2002	Chris Matthews	2009	Carlton Taylor Lewis	2010
Dong Carlan	1999	Hector Mejia	2002	Ben Service	2009	Amit Ramjit	2010
Dan Husted	1999	Shane Seroyer	2002	Tony Bryant	2009	Casey Gaskins	2010
Jonathan Roper	1999	Lee Rise	2003	Sheyan Armaghani	2009		
David Husted	2000	Kendall Carll	2003	John Faryna	2009		
Chris Goll	2000	Scott Schultz	2003	Chris Holden	2009		

VISITING PROFESSORSHIPS AND GRAND ROUNDS SPEAKING EVENTS

Geisinger Medical Center Orthopaedic Department, Department of Orthopedic Surgery Grand Rounds, Danville, PA June, 2000.

Duke University of Orthopedic Surgery Grand Rounds, Durham, NC, Sept 6, 2000.

Mayo Clinic, Department of Orthopedic Surgery Visiting Professor and Grand Rounds Speaker, Rochester, MN Sept 24-27, 2000.

University of Cincinnati, Department of Orthopedic Surgery Grand Rounds, January 15-17, 2001.

University of Colorado Health Sciences Center - Grand Rounds. Invited Speaker. March 6, 2002.

University of Texas Medical Branch, 1st E.B. Evans, MD lectureship. Department of Orthopedic Surgery. Galveston, Tx. March 6-9, 2003.

Greenville Orthopedic Residency Program, Greenville, South Carolina. The 31st Annual J. Warren White Lectures "Treatment of Metastatic Disease to Bone". "The Biopsy. "Rotationplasty." Guest Lecturer, May 13, 2005.

University of Texas Medical Branch, Eggers Society Meeting, Galveston, Texas, Guest Lecturer, Metastatic Disease, May 22, 2005.

University of Missouri. Tenth Annual William C. Allen Professorship, Invited Lecturer, "Biopsy and the treatment of Metastatic Bone Disease" and "Surgical Reconstruction of the Knee and Shoulder following Resection for Tumor" Columbia, MO, May 18, 2006.

Yale University Department of Orthopedic Surgery. Visiting Professor and Grand Rounds Speaker. August, 24 2006.

University of Utah, Visiting Professor, Salt Lake City, UT, December, 2008.

University of Connecticut, Visiting Professor, May 2009.

Wake Forest University, Visiting Professor, Department of Orthopedic Surgery, April, 2010.

Tallahassee Memorial Hospital, Grand Rounds Speaker, "Treatment of Tumors Metastatic to Bone", June 11, 2012

MUSCULOSKELETAL PATHOLOGY SEMINARS

University of Florida, Musculoskeletal Tumor Pathology Seminar

October 1991	November 1995	May 2000	December 2004	October 2008
April 1992	April 1996	May 2001	May 2005	May 2009
November 1992	November 1996	December 2001	September 2005	October 2009
April 1993	April 1997	May 2002	May 2006	April 2010
November 1993	November 1997	November 2002	September 2006	October 2010
April 1994	March 1998	May 2003	Spring 2007	April 2011
November 1994	May 1999	December 2003	Fall 2007	May 2012
April 1995	November 1999	May 2004	April 2008	October 2012

Course Director, November 2002 - present

Texas Orthopaedic Pathology Workshop. Dallas, TX. March 1992 and March 1994.

Musculoskeletal Pathology Course – Munster, Germany, July 1994.

Instructional Course in Musculoskeletal Pathology. Perth, Western Australia. Feb 22-25, 1995, July 1-5, 1996 and Feb 9-12, 1998. Cairns, Australia, April 1999.

Course on Bone Tumors, Hospital de la Santa Creu, Barcelona, Spain, March 14-16, 1996.

Instructional Course in Musculoskeletal Pathology. 4th Medical University. Beijing, P.R. China. June 20-22, 2000.

Instructional Course in Musculoskeletal Pathology. 4th Medical University. Beijing, P.R. China. Sept 2002.

Musculoskeletal Pathology Seminar. The SARAH Hospital. Lago Norte, Brasilia, Brazil, February 20-24, 2007.

INVITED SPEAKER

Mary Bird Perkins Regional Cancer Center Seminar. Baton Rouge, LA. September 1992.

A Course in Major Limb Reconstruction, Perth, Western Australia, September 1993.

Mapfre Medicine Foundation, Seminar: Bone Tumors in Children and Adolescents, Madrid, Spain. March 6-7, 1997.

Dedication of the W. F. Enneking, MD Library, Sarah Hospital System. Brasilia, Brazil. November 1997.

Turkish Orthopedic Oncology Congress, Ankara, Turkey. April 1998.

University of Florida Alumni Winter Medical Update, Colorado, Spring 1999 and Spring 2001.

Gulf Coast Medical Cancer Center, Panama City, Florida. March 22, 2000.

Joe DiMaggio Hospital, Ft. Lauderdale, FL, September 1998, January 1999, August 2000.

Children's Miracle Network National Meeting. Interview for Champions Story. Aired nationally, June 2001, Orlando, FL. Filmed April 8, 2001.

Orthopaedic Course, University of Florida, 2nd Year Medical Students, 1991-1995. Spring 2000 and Winter 2001.

Treatment of Metastatic Disease. 2004 Annual Dale M. Daniel, MD Orthopedic Symposium, Rancho Mirage, California, January 31, 2004.

International Society of Limb Salvage (ISOLS) Meeting, Seoul, Korea. September 2005.

Surgical Treatment of Soft Tissue Sarcomas. Phoebe Putney Cancer Center, Albany, GA. April 27, 2006.

Anesthesiology Winter Update. Snowmass Colorado. "Topics in Orthopedic Surgery", 2008.

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Anesthesiology Winter Update. Snowmass Colorado. "Orthopedic Ski Injuries", 2009.

The Villages Retirement Community. Orthopedic Oncology. January 2010.

Winter Anesthesia Conference, Colorado. "Topics in Anesthesia for Orthopedic Surgery – A Surgeons Perspective, March 2011

Flying Physicians Association, Amelia Island Plantation, Florida, "Orthopedic Oncology – State of the Art" July 2011

Florida Orthopaedic Society Annual Meeting, Orlando. "Topics in Orthopaedic Oncology, 2011

30th Annual GWN Eggers Lectureship, Texas, Invited Lecturer, "Treatment of Tumors Metastatic to Bone, May 2012

LifeBox Shard Global Health Education Event, San Pedro, Honduras, Invited Lecturer, "Use of the Surgical Safety Checklist." 8/25/2012.

Australian Orthopaedic Association Annual Scientific Meeting, Invited Speaker, October, 2012

Course Coordinator and Faculty member, 2000-2003	Orlando, Florida	2000
Faculty Member Instructional Course <i>Malignant Bone Tumors</i>	San Francisco	2001
@ American Academy of Orthopedic Surgeons Annual Meeting.	Dallas	2002
	New Orleans	2003

The Annual American Musculoskeletal Tumor Society
Co-Host and Organizer, Gainesville, FL, May 11-13, 2000.

Member of Working and Advisory Group in the Musculoskeletal Oncology Project, sponsored by the Accreditation Council for Graduate Medical Education (ACGME) and the American Board of Orthopaedic Surgery (ABOS) May 31 – June 1, 2013 – Chicago

REVIEWER

Cancer Journal, 1994 - present

Clinical Orthopaedics and Related Research, 1994 - present

Southern Medical Journal, 1996.

Co-Editor, Orthopaedic Clinics of North America, Pediatric Orthopaedic Oncology: A Practical Approach to Assessment and Treatment. Vol 27, Number 3, July 1996.

Chair University of Florida Orthopaedics Residency Selection Committee. 1998-2000.
Member of Committee, 2002 - present.

GRANTS AND AWARDS

Intramural

Cancer Center Planning Grant awarded to Division of Orthopaedic Oncology. Principal Investigator. \$45,000; 1992-93.

Sarcoma Tumor Bank, Division of Sponsored Research, University of Florida. Principal Investigator \$5,500;

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June 1992 through June 1994.

Stop! Children's Cancer Research Award. Mentor Pediatric and Adolescent Osteosarcoma: Tumor Suppressor (p53) and Cell Differentiation (BMP-2) Proteins in Surgical Specimens One-year grant of \$15,000; 1996-97.

Extramural

National Institute for Environment and Health Sciences. "Fluoride Exposure and Osteosarcoma." Multi-institution cooperative study. Co-investigator. Approximately \$48,000; 1994-06. Extended through 2000.

Unrestricted Grant. Stop! Children's Cancer. Principle Investigator \$10,000; 2000.

NIH. Mechanisms of Muscle Dysfunction and Recovery after Limb Disuse. R01. Co-investigator. \$48,173; Oct 2002-2009.

AFLAC Grant Support of Orthopedic Oncology. \$100,000 + \$50,000 state matching funds; 2007

Clinical Trials

Hydroxyapatite Bone Cement Study. Co-Investigator

ComPreSs. Feasibility study of distal femoral implant system. Biomet Corporation. Principle Investigator One of three initial sites in US. 2000.

AMGEN clinical trial. Co-investigator 2010 - present.

Educational

Shands Hospital Clinical Resource Management Small Grants Program. Automated Transcription/Database System for Orthopaedic Patient Management. Principal investigator Co-PI Gary Miller, Ph D. \$14,800. 1996-1998.

Children's Miracle Network PACS System for Orthopaedic Surgery. Principle Investigator \$9,117; 4/15/1998.

Orthopedic Study Center Grant. Co-Investigator \$375,000; 1998.

NEWTON Electronic Medical Record, Pilot Project. Principal Investigator. Funded by UF Faculty Group Practice. \$144,000; 1998.

Children's Miracle Network. Grant for Educational equipment. Principle Investigator. \$2,404; 2000

Zimmer Corporation Unrestricted Grant supporting Musculoskeletal Pathology Course. Co-investigator \$100,000; 2001-2002.

Orthopedic Research and Education Foundation. Principle Investigator Musculoskeletal Pathology Educational Grant. \$25,000; 2003. and \$25,000; 2009.

Journal of Bone and Joint Surgery. Principle Investigator Resident Journal Club Grant. \$2,500; 2002-2003, \$2,500; 2008-2009

DePuy Corporation Unrestricted Educational Grant supporting Musculoskeletal Pathology Course. Principle Investigator \$120,000; 2003-2007.

OREF. Journal Club Grants Program. Principle Investigator. \$2,000; 2008-2009.

OMEGA Grants Program. Fellowship for Orthopedic Oncology Fellowship. Principal Investigator \$50,000; 2009-2010.

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OMEGA Grants Program. Fellowship for Orthopedic Oncology Fellowship. Principle Investigator \$33,000; 2010-2011.

OREF. Journal Club Grants Program. Principle Investigator \$2,000;2010-2011.