

Curriculum Vitae

ROBERT M. TAMURIAN, MD

EDUCATION

<i>Fellowship</i>	University of Florida, Orthopaedic Oncology July 2007-August 2008	
<i>Orthopaedic Surgery</i>	University of Michigan: August 1998-June 2003	
<i>Surgical Internship</i>	University of Michigan: August 1998-August 1999	
<i>Medical School</i>	State University of New York, Health and Science Center at Syracuse, College of Medicine August 1994 – May 1998	
<i>College</i>	Hobart College Geneva, New York August 1990 - June 1991	Binghamton University Binghamton, NY August 1991- May 1994

CERTIFICATION

American Board of Orthopaedic Surgery - Board Certified, 2005

MEMBERSHIPS

American Association of Hip and Knee Surgeons – 2010- Current

Musculoskeletal Transplant Foundation, Board of Trustees – 2010 - Current

California Orthopaedic Association – 2009 - Current

Connective Tissue Oncology Society – 2009 - Current

Musculoskeletal Tumor Society – Candidate Member 2008

Fellow, American Academy of Orthopaedic Surgery – 2007 - Current

Diplomate: American Board of Orthopaedic Surgery – July, 2005 – Current

American Academy of Orthopaedic Surgery – 2003 - Current

AWARDS \ HONORS

- National*** America's Top Orthopedists, Consumers Research Council of America – 2006, 2007, 2009
- Military*** Navy and Marine Corps Commendation Medal (Gold Star in lieu of 2nd Award) for exemplary service as Department Head and Staff Orthopaedic Surgeon, Naval Health Clinic Great Lakes, October 2004-October 2007
- Navy and Marine Corps Commendation Medal for exemplary service as an Orthopaedic Surgeon and the Director of Orthopaedic Trauma, Okinawa Japan, August 2003-October 2004
- Residency*** Administrative Chief Resident in Orthopaedic Surgery, University of Michigan Hospitals, Department of Orthopaedic Surgery, July 2002 thru July 2003
- Medical School*** NIH / American Medical Student Association: Biomedical Research Poster Session National Meeting, 2nd Place, February 1998
- State University of New York Health Science Center @ Syracuse Medical Alumni Scholarship: May 1998
- Alpha Omega Alpha: Student Research Fellowship, 1997
- NIH / American Medical Student Association: Biomedical Research Poster Session, Regional Winner December 1997
- Dean's Letter of Commendation Academic Year 1996
- USMLE 3 step examination completed with Passing - 1999
- Class rank: Top 15% for MSIII clinical year
Top 25% of class
- Clerkship / Elective Honors: Obstetrics and Gynecology, Internal Medicine, Orthopedic Surgery, Otolaryngology, Diagnostic Radiology, Orthopedic Sports Medicine
- College*** Phi Beta Kappa Honor Society Member: Binghamton University, May 1994
- Bachelor of Science: Summa cum Laude
Binghamton University, May 1994

Armed Forces Health Professions Scholarship Program: Commissioned Officer United States Navy, Officer Indoctrination School - Newport, RI, May 1994

Golden Key National Honor Society Member
Binghamton University, September 1992

CRC Chemistry Freshman of the Year - Hobart College, May 1991

Named Scholar: Woods Scholarship - Hobart College, May 1991

Hobart Varsity Letter - Tennis Hobart College, May 1991

Presidential Scholarship - Hobart College, August 1990

Dean's List

Hobart College
Aug 1990 - June 1991

Binghamton University
Aug 1991- May 1994

PUBLICATIONS

Rajaram A, Tamurian RM, Reith J, Bush CH. *Hip pain in an 18-year-old man.* Clin Orthop and Rel Res, 466(1):248-254, January 2008

Tamurian RM, Urquhart AG. *Intramuscular hematoma following a midvastus approach during primary total knee arthroplasty.* Orthopedics, 30(8):668-669, August 2007

Lutes WB, Tamurian RM. *Bilateral congenital absence of the flexor pollicis longus.* Orthopedics, 30(4):318-319, April 2007

Tamurian RM, Gutow AP. *Amputations of the hand and upper extremity in the management of malignant tumors.* Hand Clinics, 20(2):213-220, May 2004

Tamurian RM, Spencer EE, Wojtys EW. *The role of arthroscopic synovectomy in the management of hemarthrosis in hemophilia patients: financial perspectives.* Arthroscopy, 18(7):789-94, Sept. 2002

Damron TA, Spadaro JA, Tamurian RM, Damron LA. *Sparing of radiation-induced damage to the physis: fractionation alone compared to amifostine pretreatment.* International Journal of Radiation Oncology, Biology, Physics, 47(4):1067-71, July 2000

Tamurian RM, Damron TA, Spadaro JA. *Sparing radiation-induced*

damage to the physis by radioprotectant drugs: laboratory analysis in a rat model. Journal of Orthopaedic Research, 17(2):286-92, March 1999

ABSTRACTS

Tamurian RM, Spencer EE, Wojtys EW. *The role of arthroscopic synovectomy in the management of hemarthrosis in hemophilia patients: financial perspectives.* International Monitor in Hemophilia, 11(1):38, June 2003

BOOK CHAPTERS

Tamurian RM, Damron TA, Spadaro JA. *Sparing radiation-induced damage to the physis by radioprotectant drugs: laboratory analysis in a rat model.* Yearbook of Orthopedics 2000. Morrey BF, Beauchamp CP, Currier BL, Swiontkowski MF, Tolo VT, Trigg SD (editors), Mosby, Inc., St. Louis, MO, Chapter 3, pp. 60-61.

PRESENTATIONS

International

Connective Tissue Oncology Society, London, UK, November 2008
Morbidity of an Unplanned Excision of Soft Tissue Sarcomas: A Quantitative Assessment. Robert M. Tamurian, MD, Robert A. Zlotecki, MD, Zachary B. Adler, MD, Mark T. Scarborough, MD, C. Parker Gibbs, MD.

Connective Tissue Oncology Society, Milan, November 1997. *Sparing radiation-induced damage to the physis by radioprotectant drugs: Laboratory analysis in a rat model.* Damron TA, Tamurian RM, Spadaro J.

National

Impact of subspecialty, clinical volume, and years of practice in selection of treatment sequencing in the management of localized extremity soft tissue sarcoma. R.J. Canter, N. Wasif, R.M. Tamurian, S Christensen, L. Do, S. R. Martinez, S. Chen, M.F. Brennan: American Society of Clinical Oncology Annual Meeting, 2010 (Accepted)

Phase I and II Trial of neoadjuvant conformal radiotherapy plus sorafenib for patients with soft tissue sarcoma of the extremity. A. Olusanya, R.M. Tamurian, S. Christensen, D. Borys, A.M. Chen, W. Mak, M. Buonocore, P. Mack, W. Monsky, R.J. Canter: American Society of Clinical Oncology

Annual Meeting, 2010 (Accepted)

American Academy of Orthopaedic Surgeons, Annual Meeting, Las Vegas, NV, February 2009 (poster). *Morbidity of an Unplanned Excision of Soft Tissue Sarcomas: A Quantitative Assessment*. Robert M. Tamurian, MD, Robert A. Zlotecki, MD, Zachary B. Adler, MD, Mark T. Scarborough, MD, C. Parker Gibbs, MD.

Musculoskeletal Tumor Society, Annual Meeting, Phoenix, AZ, November 2008. *Morbidity of an Unplanned Excision of Soft Tissue Sarcomas: A Quantitative Assessment*. Robert M. Tamurian, MD, Robert A. Zlotecki, MD, Zachary B. Adler, MD, Mark T. Scarborough, MD, C. Parker Gibbs, MD.

Musculoskeletal Tumor Society, Annual Meeting, Phoenix, AZ, November 2008. *Risk factors of pulmonary metastases with giant cell tumor of bone*. Z. Adler, R. Tamurian, M. Scarborough, J. Reith, M. Horodyski, CP Gibbs.

Society of Surgical Oncology, Annual Meeting, Chicago, IL, December 2008. *Factors Associated with Outcome in Retroperitoneal Sarcomas*. Warren Tseng, MD, Richard Bold, MD, Robert M. Tamurian, MD, Dariusz Borys, MD, Robert J. Canter, MD

Arthroscopy Association of North America Annual Meeting, Seattle, WA, April, 2001. *Arthroscopic synovectomy in hemophilia patients: financial perspectives*. Tamurian RM. Spencer EE. Wojtys EW.

Combined American and European Musculoskeletal Tumor Society, Washington, DC, May 1998. *Sparing radiation-induced damage to the physis by radioprotectant drugs: Laboratory analysis in a rat model*. Damron TA, Tamurian RM, Spadaro J.

NIH / American Medical Student Association: Biomedical Research Poster Session, Regional. Philadelphia, PA, December 1997. *Sparing Radiation-induced damage to the physis by radioprotectant drugs: Laboratory analysis in a rat model*. Tamurian RM, Damron TA, Spadaro J.

NIH / American Medical Student Association National Meeting, Biomedical Research Poster Session. Washington, D.C., December 1997. *Sparing Radiation-induced damage to the physis by radioprotectant drugs: Laboratory analysis in a rat model*. Tamurian RM, Damron TA, Spadaro J.

Regional

National Association of Orthopaedic Nurses, Sacramento Chapter Annual Workshop, Celebrating Orthopaedic Nursing, November 2009. *High Risk Orthopaedics*. Tamurian RM.

American Academy of Orthopaedic Surgeons, Annual Meeting, Las Vegas, NV, February 2009. *Morbidity of an unplanned excision of soft tissue sarcomas: A quantitative assessment*.

University of California, Davis, Department of Orthopaedic Surgery, Grand Rounds, Sacramento, CA, November 2008. *Reconstructive options for limb salvage*.

Western Orthopaedic Association, Northern California Chapter, Annual Meeting, November 2008. *Sports Tumors*. Robert M. Tamurian, MD.

Western Orthopaedic Association, Northern California, Chapter, Annual Meeting, November 2008. *Lumps and Bumps, How to Stay Out of Trouble*. Robert M. Tamurian, MD.

University of Florida, Department of Orthopaedics and Rehabilitation Annual Research Symposium, May 2008. *Morbidity of an Unplanned Excision of Soft Tissue Sarcomas: A Quantitative Assessment*. Robert M. Tamurian, MD, Robert A. Zlotecki, MD, Zachary B. Adler, MD, Mark T. Scarborough, MD, C. Parker Gibbs, MD.

Michigan Orthopaedic Society Annual Meeting, Traverse City, MI, June 2001. *Intramuscular hematoma following a midvastus approach in total knee arthroplasty: a case report*. Tamurian RM. Urquhart AG.

Michigan Orthopaedic Society Annual Meeting, Mackinaw Island, MI, June 2000. *Arthroscopic synovectomy in hemophilia patients: financial perspectives*. Tamurian RM. Spencer EE. Wojtys EW.

State University of New York-Syracuse Department of Orthopedics Annual Alumni Meeting, May 1999. *Sparing of radiation-induced damage to the physis: fractionation alone compared to amifostine pretreatment*. Damron TA. Spadaro JA. Tamurian RM. Damron LA.

State University of New York-Syracuse Department of Orthopedics Annual Alumni Meeting, May 1997. *Sparing Radiation-induced damage to the physis by radioprotectant drugs: Laboratory analysis in a rat model*. Tamurian RM, Damron TA, Spadaro J.

TEACHING

University of California Davis, School of Medicine, Orthopaedic In-Training Examination, Oncology and Orthopaedic Pathology Review, November 2009

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, November 2009. *Malignant Bone Tumors.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, November 2009. *Soft Tissue Benign Tumors.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, November 2009. *Soft Tissue Sarcomas.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, November 2009. *Tumor Simulators.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, November 2009. *Mets/Myeloma.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, October 2009. *Pediatric Tumors.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, October 2009. *Biopsy & Staging,*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, October 2009. *Benign Bone Tumors.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, August 2009. *Metabolic Bone Disease (Ch. 23).*

University of California Davis, School of Medicine, OSU 464 Orthopaedic Acting Internship Instruction. 30% effort

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, June 2009. *Metastatic Disease.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, June 2009. *Tumor Simulators and Miscellaneous Orthopaedic Oncologic Conditions.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, June 2009. *Soft Tissue Tumors.*

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, June 2009. *Bone Tumors*.

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, June 2009. *Cartilage Tumors*.

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, May 2009. *Biopsy & Staging of Musculoskeletal Neoplasms*.

University of California Davis, School of Medicine, OSU 420 Orthopaedic Infections, February 2009 80 attendees

University of California Davis, School of Medicine, OSU 420 Musculoskeletal Tumors, February 2009 80 attendees

University of California Davis, School of Medicine, Resident Core Curriculum, Sacramento, CA, December 2008. *Holes in Bone - The Common Pediatric Tumors*.

University of California Davis, School of Medicine, Orthopaedic In-Training Examination, Oncology and Orthopaedic Pathology Review, November 2008

CURRENT RESEARCH

Osteoid Osteoma of the Pelvis in an Adult, A Case Report. Derek Amanatullah, MD, PhD., Zachary Mallon, MD, Walter Mak, MD, Dariusz Borys, MD, and Robert M. Tamurian, MD (submitted)

Epithelioid Osteosarcoma with nodal metastasis, a case report. Derek Amanatullah, MD, PhD, Kuong K. Ngann, B.S., Dariusz Borys, MD, and Robert M. Tamurian, MD (submitted)

Giant Cell Tumor of Bone, A Review. Robert M. Tamurian, MD, Derek Amanatullah, MD, PhD. Orthopaedic Reviews (invited manuscript)

Skeletal Metastatic Disease, Current Concepts Review. Robert M. Tamurian, MD, Derek Amanatullah, MD, PhD. Current Orthopaedics (Invited Manuscript)

Biomechanical analysis of distal femoral defects associated with metastatic lesions, a new clinical ratio to predict fracture risk. Robert M. Tamurian, MD, Derek Amanatullah, MD, PhD, Amir Jamali, MD, David Fyrie, PhD

Evaluation of wound drainage in patients undergoing primary total hip and knee arthroplasty utilizing Arixtra for DVT Prophylaxis, a prospective trial. Paul DiCesare, MD, Robert M. Tamurian, MD

CT-based Prediction of Pathologic Fracture: A Prospective Multicenter Study Robert M. Tamurian, MD, Walter Mak, MD Local PI

Biomechanical Analysis of Callos with and without plate fixation in metaphyseal bone tumor defects. Robert M. Tamurian, MD, Derek Amanatullah, MD, PhD, and David Fyrie, PhD.

Impact of subspecialty, clinical volume, and years of practice in selection of treatment sequencing in the management of localized extremity soft tissue sarcoma. R.J. Canter, N. Wasif, R.M. Tamurian, S Christensen, L. Do, S. R. Martinez, S. Chen, M.F. Brennan

Biomechanical analysis of intramedullary fixation patterns in distal femoral metastatic lesions. Robert M. Tamurian, MD, Derek Amanatoullah, MD, PhD, and David Fyrie, PhD.

Phase I and II Trial of neoadjuvant conformal radiotherapy plus sorafenib for patients with soft tissue sarcoma of the extremity. A. Olusanya, R.M. Tamurian (PI), S. Christensen, D. Borys, A.M. Chen, W. Mak, M. Buonocore, P. Mack, W. Monsky, R.J. Canter (PI)

Proliferative Indices in Soft Tissue Sarcoma, Predictors of Response to Neoadjuvant Radiotherapy. Robert Canter, MD, Robert M. Tamurian, MD, Dariusz Borys, MD, Allen Chen, MD

Novel Markers in Bone Sarcomas to predict response to adjuvant Chemotherapy. Dariusz Borys, MD, Robert M. Tamurian, MD., Robert J. Canter, MD

Proliferative Indices in Soft Tissue Sarcomas, Prognostic Indicators of Oncologic Outcome. Robert M. Tamurian, MD, Robert Canter, MD, Darius Borys, MD

Pokemon Transcription Factor as a Marker for Malignancy in Chondrosarcoma. Robert M. Tamurian, MD, Dominick Haudenschild, PhD

Morbidity of an Unplanned Excision of Soft Tissue Sarcomas: A Quantitative Assessment. Robert M. Tamurian, MD, Robert A. Zlotecki, MD, Zachary B. Adler, MD, Mark T. Scarborough, MD, C. Parker Gibbs, MD

Functional Outcome of an Unplanned Excision of Soft Tissue Sarcomas: Late Effects of Multidisciplinary Tumor Bed Management. Robert M. Tamurian, MD, Zachary B. Adler, MD, Mark T. Scarborough, MD, C. Parker Gibbs, MD

Argon Beam Laser as an Adjuvant in the Management of Giant Cell Tumor of Bone. Robert M. Tamurian, MD, Zachary B. Adler, MD, Mark T. Scarborough, MD, C. Parker Gibbs, MD

Argon Beam Laser as an Adjuvant in the Management of Aneurysmal Bone Cysts. Robert M. Tamurian, MD, Zachary B. Adler, MD, Mark T. Scarborough, MD, C. Parker Gibbs, MD

Functional outcome of pelvic resections for malignancy without formal reconstruction. Robert M. Tamurian, MD, Emily Carmody, MD, Zachary B. Adler, MD, Mark T. Scarborough, MD, C. Parker Gibbs, MD

Functional outcome of ischiofemoral arthrodesis after acetabular resection for malignancy. Z Adler, R Tamurian, CP Gibbs, M Scarborough

Risk factors of pulmonary metastases with giant cell tumor of bone. Z Adler, R Tamurian, M Scarborough, J Reith, M Horodyski, CP Gibbs

ADMINISTRATIVE

University of California, Davis Department of Orthopaedic Surgery, Assistant Residency Program Director – 100% effort

University of California, Davis Department of Orthopaedic Surgery, Resident Journal Club. September 2009 – 33% effort

University of California, Davis School of Medicine, Faculty Mentor - Randall Farac, MD PGY4. 2008 – Current. 100% Effort

University of California, Davis School of Medicine, Faculty Mentor – Philburt Huang, MD Phd , PGY-2. 2009 – Current. 100% Effort

University of California, Davis Medical Center – Orthopaedic Committee on Quality Improvement, Advisor for Orthopaedic Oncology and general committee member. 2009- Current. 20% effort

University of California, Davis Medical Center, Cancer Committee Member. 2009 – Current. 20% effort

University of California, Davis Medical Center Sarcoma Conference Co-Chair – 50% effort

University of California, Davis Department of Orthopaedic Surgery – Resident Core Curriculum Advisor for Orthopaedic Oncology

University of California, Davis Medical Center EMR Committee – Physician Champions Committee, 2009-Current

GRANTS

CT-based Prediction of Pathologic Fracture: A Prospective Multicenter Study

Subcontract \$: \$6,250

FOA: Parent R01 (PA-10-067)

OREF Resident Journal Club - \$2500 per annum. 2009

Acumed, Inc. *Biomechanical Analysis of Callos with and without plate fixation in metaphyseal bone tumor defects.* \$20,0000 – 2009

Synthes, USA *Biomechanical analysis of intramedullary fixation patterns in distal femoral metastatic lesions.* \$10,000

Smith and Nephew, USA *Biomechanical analysis of intramedullary fixation patterns in distal femoral metastatic lesions.* \$7,500

WORK AND TEACHING EXPERIENCE

Assistant Professor of Orthopaedic Surgery, Orthopaedic Oncology and Adult Reconstruction, Department of Orthopaedic Surgery, University of California, Davis Medical Center, Sacramento, CA (9/2008-current)

Chief of Orthopaedic Oncology, Department of Orthopaedic Surgery, University of California, Davis Medical Center, Sacramento, CA (9/2008-current)

Assistant Residency Program Director, Department of Orthopaedic Surgery, University of California, Davis Medical Center, Sacramento, CA (9/2008-current)

Lieutenant Commander, Medical Corps, United States Navy (Resigned)

United States Naval Hospital Great Lakes, Department Head: Department of Orthopaedic Surgery 7/2005-10/2007

United States Naval Hospital Great Lakes, Staff Surgeon: Department of Orthopaedic Surgery 2004-10/2007

United States Naval Hospital, Great Lakes. Member, Patient Safety Committee 2004-/2007

Chicago Medical School, Rosalind Franklin University, Clinical Instructor Introduction to Clinical Medicine 2004-2007

Chicago Medical School, Rosalind Franklin University, Course Coordinator, Clinical Exposure Program 2004-2007

United States Naval Hospital, Okinawa Japan. Head - Orthopaedic Trauma 2003-2004

United States Naval Hospital, Okinawa Japan. Staff Surgeon, Sports Medicine and General Orthopaedic Surgery, Dept. of Orthopaedic Surgery 2003-2004

United States Naval Hospital, Okinawa Japan. Instructor, Japanese Medical Internship Program 2003-2004

United States Naval Hospital, Okinawa Japan. Member, Patient Safety Committee 2003-2004

Residency

Clinical Skills Instructor – University of Michigan Medical School
Academic years 1999-2003

Medical School

Medical Applicant Interview Committee

National Ski Patrol Member / Outdoor Emergency Care Instructor