

**SEAN VINCENT MCGARRY, M.D.  
CURRICULUM VITAE**

**CURRENT APPOINTMENT:**

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**Assistant Professor**

Department of Orthopaedic Surgery and Rehabilitation  
University of Nebraska Medical Center  
Omaha, Nebraska  
Specializing in Orthopaedic Oncology  
2005-Present

**OFFICE ADDRESS:**

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University of Nebraska Medical Center  
Department of Orthopaedic Surgery & Rehabilitation  
981080 Nebraska Medical Center  
Omaha, NE 68198-1080

Telephone: (402) 559-8000  
Fax: (402) 559-5511

**BIRTHPLACE:**

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Fort Dodge, IA

April 4<sup>th</sup>, 1972

**POST-GRADUATE TRAINING:**

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**Fellowship:**      **University of Florida – Shands Hospital**  
Gainesville, Florida  
Research Fellow, Department of Orthopaedic Surgery, Orthopaedic Oncology  
Instructor, Department of Orthopaedic Surgery  
2005-2006

**University of Florida – Shands Hospital**  
Gainesville, Florida  
Clinical Fellow, Department of Orthopaedic Surgery, Orthopaedic Oncology  
2004-2005

**Residency:**      **University of Colorado Health Sciences Center**  
Denver, Colorado  
Resident, Department of Orthopaedic Surgery  
2000-2004

**Internship:**      **University of Colorado Health Sciences Center**  
Denver, Colorado  
Intern, Department of Surgery  
1998-1999

**M.D.:**              **Creighton University School of Medicine**  
Omaha, Nebraska  
Doctor of Medicine  
1994-1998

**UNDERGRADUATE TRAINING:**

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**B.S.:**              **Creighton University**  
Omaha, Nebraska

Bachelor of Science, Biology and History, *summa cum laude*  
1990-1994

**H.S.:** **Marshalltown High School**  
Marshalltown, Iowa  
Cumulative GPA 4.0, valedictorian  
1986-1990

**ACADEMIC APPOINTMENTS:**

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**2005-present** **Assistant Professor**  
Department of Orthopaedic Surgery and Rehabilitation  
University of Nebraska Medical Center  
Omaha, Nebraska

**8/2005 – 7/2006** **Clinical Instructor**  
University of Florida – Shands Hospital  
Department of Orthopaedic Surgery, Orthopaedic Oncology  
Gainesville, Florida

**HOSPITAL AFFILIATIONS:**

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The Nebraska Medical Center

Omaha Veterans Affairs Medical Center

Children's Hospital

**MEDICAL LICENSURE:**

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State of Nebraska

**BOARD CERTIFICATION:**

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American Board of Orthopaedic Surgery, Part I – Passed, 8/2004  
American Board of Orthopaedic Surgery, Part II – Passed, 7/2008

**ADDITIONAL CERTIFICATIONS:**

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DEA

Advanced Trauma Life Support

**GRANT SUPPORT:**

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**Pfizer Inc. inSCOPE (Innovative Scientific Centers of Orthopedic and Pain Excellence) award.** Title: Identifying tumor stem cells in human and dog bone cancer. Funding total: \$10,000, 2005-2006.

**AO North America Research Grant.** Title: Serum titanium levels in patients with femoral intramedullary nails. Funding total: \$5,000, 2002.

#### **RESEARCH EXPERIENCE:**

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**Research Fellow** under C. Parker Gibbs, M.D., Department of Orthopaedics, Division of Orthopaedic Oncology, University of Florida. Investigating the role of tumor stem cells in the development of bone and soft tissue cancers, 2005-2006.

**Summer Research Fellow** under John A. Yee, Ph.D., Department of Anatomy, Creighton University. Analyzed the significance of cadherins in the formation of bone nodules, 1995.

**Research Assistant** under John A. Yee, Ph.D., Department of Anatomy, Creighton University. Elucidated the role of growth factors in osteogenesis and bone remodeling, 1991-1994.

#### **HONORS AND AWARDS:**

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**C. Howard Hatcher Pathology Fellowship** given annually by the American Orthopaedic Association in support of a musculoskeletal oncology fellowship, with an anticipation of an academic career in musculoskeletal oncology, 2005.

**Zimmer Orthopaedic Fellowship** given by the Zimmer Corporation in support of basic science research investigating the role of stem cells in osteosarcoma, 2005.

**William Albano Surgical Award** given by the Creighton University Department of Surgery to graduating senior medical student for excellence in research, 1998.

**Creighton Family Scholarship** sixty percent tuition merit scholarship for medical school, 1994-1998.

**Alpha Omega Alpha** national medical honor society, 1997.

**Top Ten Percent of Class** for performance in third year clinical rotations, 1996-1997.

**National Community Outreach Award** given by the American Academy of Family Physicians for community service, 1996.

**Presidential Scholarship** full tuition merit scholarship for undergraduate studies, 1990-1994.

**Omicron Delta Kappa** national leadership honor society, 1993.

**Phi Alpha Theta** national history honor society, 1993.

**Pi Mu Epsilon** national mathematics honor society, 1992.

#### **PROFESSIONAL ORGANIZATIONS & COMMITTEE MEMBERSHIPS:**

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##### **International:**

**Musculoskeletal Transplant Foundation (MTF)**, Member, April 2006 – present

Medical Board of Trustees, April 2006 – present

**Musculoskeletal Tumor Society (MSTS)**, Candidate Member, May 2005-present

**American Academy of Orthopaedic Surgeons (AAOS)**, Candidate Member, July 2000-present

**National:**

**National Comprehensive Cancer Network (NCCN)**, Member, May 2006 - present  
Bone Cancer Panel, May 2006 – present  
Soft Tissue Sarcoma Panel, July 2007 – present

**Local:**

**Nebraska Orthopaedic Society**, Member, 2006 - present

**Metro Omaha Medical Society (MOMS)**, Member, 2006 - present

**Denver General Hospital Department of Orthopaedics Volunteer Program**  
Coordinator, 2002-2004

**University of Colorado Health Sciences Center Department of Orthopaedics**  
Resident Selection Committee, 2001-2004

**Denver Public Schools**  
Team Physician, 2000-2004

**COMMUNITY/VOLUNTEER SERVICE:**

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**Institute for Latin American Concern** set up and staffed medical clinics in underserved rural communities of the Dominican Republic, summer 1999 & 1997.

**Body Basics** developed and presented an interactive anatomy program for fifth and sixth graders in Grade Schools in Omaha, Nebraska, 1995-1997.

**Omaha Housing Authority Tutoring Program** tutored at-risk students in underprivileged areas of Omaha, Nebraska, 1994-1996.

**PUBLICATIONS:**

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**Journal Articles:**

**McGarry SV**, Morgan SJ, Grosskreuz RM, Williams AE, Smith WR. Serum Titanium Levels in Individuals Undergoing Intramedullary Femoral Nailing With a Titanium Implant. *Journal of Trauma-Injury Infection & Critical Care*. 64(2):430-433, February 2008.

**McGarry SV**. Extended Curettage for Benign Bone Lesions. *Techniques in Orthopaedics. Bone Tumor Management*. 22(2):121-126, June 2007.

**McGarry SV**. Treatment of Cancer Metastatic to the Diaphysis of Long Bones. *Techniques in Orthopaedics. Bone Tumor Management*. 22(2):127-133, June 2007.

Biermann JS, Adkins D, Benjamin R, Brigman B, Chow W, Conrad EU 3rd, Frassica D, Frassica FJ, George S, Healey JH, Heck R Jr, Letson GD, Mayerson J, **McGarry SV**,

O'donnell RJ, Patt J, Randall RL, Santana V, Satcher RL, Schmidt RG, Siegel HG, Wong MK, Yasko Aw. Bone Cancer: Clinical Practice Guidelines in Oncology. *J of Natl Compr Canc Netw*. 5(4): 420-37, Apr. 2007.

**McGarry SV**, Gibbs CP. Surgical Management of Cancer Metastatic to Bone. *Supportive and Palliative Cancer Care*, 2:43-54, 2006.

**McGarry SV**, Gibbs CP. Radiofrequency ablation in bone neoplasia. *Current Opinion in Orthopedics* 16(6):484-8, 2005.

#### **Chapters in Textbooks:**

**McGarry SV**, Gibbs CP. Myogenic, Lipogenic, and Neural Tumors. *Oncology and Basic Science: Orthopaedic Surgery Essentials*. Chapter 5.4: 147-148, Damron TA, ed., Lippincott Williams & Wilkins, Philadelphia, 2007.

**McGarry SV**, Gibbs CP. Giant Cell Tumor of Bone. *Oncology and Basic Science: Orthopaedic Surgery Essentials*. Chapter 5.6: 159-163, Damron TA, ed., Lippincott Williams & Wilkins, Philadelphia, 2007.

**McGarry SV**, Gibbs CP. Vascular Lesions. *Oncology and Basic Science: Orthopaedic Surgery Essentials*. Chapter 5.7: 164-169, Damron TA, ed., Lippincott Williams & Wilkins, Philadelphia, 2007.

**McGarry SV**, Gibbs CP. Other Tumors of Undefined Neoplastic Nature. *Oncology and Basic Science: Orthopaedic Surgery Essentials*. Chapter 5.6: 170-176, Damron TA, ed., Lippincott Williams & Wilkins, Philadelphia, 2007.

#### **Instructional Videos:**

**McGarry SV**. Understanding Transesophageal Echocardiography. An instructive video for medical students, February 1997.

#### **IN PRESS:**

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**McGarry SV**, Gibbs CP. Allograft-Prosthetic Composites: The University of Florida Experience: 1990-2005. *Orthopaedic Knowledge Online*, in press.

#### **SCIENTIFIC PRESENTATIONS:**

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##### **National and International:**

**McGarry SV**, Gibbs CP, Scarborough MT, Enneking WF. Allograft-Prosthetic Composites: The UF Experience (1990-2005). *Musculoskeletal Transplant Society*, Key West, FL, June 2006.

**McGarry SV**, Scarborough MT, Gibbs CP, Enneking WF. Pseudoarthrosis Following Type II Resections of the Pelvis. *International Symposium on Limb Salvage*, Seoul, Korea, September 2005.

**McGarry SV**, Morgan SJ, Smith, WR, Grosskreuz R. Systemic Titanium Levels in Individuals Undergoing Intramedullary Femoral Nailing with a Titanium Implant. *Orthopaedic Trauma Association Basic Science Forum*, Fort Lauderdale, FL, October 2004.

**McGarry SV**, Lorts A. Teaching Body Basics (An Interactive Anatomy Program) to Fifth and Sixth Graders. *American Academy of Family Physicians Annual Meeting*, Kansas City, MO, August 1996.

**Regional and Local:**

**McGarry SV**. Soft Tissue Sarcoma. *2<sup>nd</sup> Annual Fall Midwest Thoracic and GI Oncology Conference*, Omaha, NE, October 2007.

**McGarry SV**, Georgopoulos G. Steroid-Induced AVN of the Femoral Head. *Children's Orthopaedic Day*, Denver, Colorado, April 2003.

**McGarry SV**, Yee JA, McGuire MH. Elucidating the Role of TGF- $\beta$  in the Promotion of Bone Growth. *Midwest Regional Science Forum*, Omaha, Nebraska, January 1995.

McGarry SV, McDonald K, McFarland M, Michels GD, Yee JA, McGuire MH. **The Role of TGF- $\beta$  in the Proliferation of Human Osteosarcoma Cell Lines.** *104<sup>th</sup> Annual Meeting of the Nebraska Academy of Sciences*, Omaha, Nebraska, 1994.

**LANGUAGE:**

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Proficient in Spanish

**HOBBIES/PERSONAL ACCOMPLISHMENTS:**

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Completed two 500 mile bike tours

Photography displayed in Creighton University's permanent collection

Hobbies include photography, running, biking, hunting, fishing and golf