

Alexandra K. Callan, M.D.

CAREER

2017 - present University of Texas Southwestern Medical Center, Dallas, TX
Assistant Professor
Musculoskeletal Oncology
Department of Orthopaedic Surgery
Dedman Family Scholar in Clinical Care

EDUCATION

2016 – 2017 MD Anderson Cancer Center, Houston, TX
Orthopaedic Oncology Fellowship

2011 – 2016 Vanderbilt University, Nashville, TN
Orthopaedic Surgery Residency

2007 – 2011 Baylor College of Medicine, Houston, TX
Doctor of Medicine

2003 – 2004 University of St. Thomas, Houston, TX
Graduate Education coursework for teacher certification

1999 – 2003 University of Notre Dame, Notre Dame, IN
B.S. Pre-Professional Studies, *Magna Cum Laude*

1994 – 1999 Academy of Science and Technology
at Oak Ridge High School, Conroe, TX

MEDICAL LICENSURE

2014 Licensed Tennessee Medical Doctor
2016 Permit in Training - Texas Medical Doctor
2016 Board Eligible Orthopaedic Surgeon
2017 Licensed Texas Medical Doctor

RESEARCH EXPERIENCE

2016 – 2017 **MD Anderson Cancer Center**
AK Callan, T Nalty, VO Lewis, JE Bird. “Concurrent Validity and Responsiveness of the Timed Up and Go Test (TUG) and the 10 Meter Walk Test (10MWT) in Orthopaedic Oncology Patients.” (submit to CORR)

AK Callan, JE Bird, L Feng, VO Lewis, PP Lin, RL Satcher, BS Moon. “Benefits of Reamer Irrigator Aspirator (RIA) use in metastatic femoral intramedullary nails.” (submit to CORR)

AK Callan, JE Bird, L Li, BS Moon, PP Lin, RL Satcher, VO Lewis. “Outcomes for osteosarcoma in adults, age 70 years or older.” (pending submission)

2012 - 2016 **Vanderbilt Orthopaedic Institute**

AK Callan, JM Bauer, JE Martus. "Deep Spine Infection After Acupuncture in the Setting of Spinal Instrumentation: A Case Report." *Spine Deformity, Volume 4, Issue 2, March 2016, pages 156-161.*

CS Molina, **AK Callan**, EJ Burgos, HR Mir. "On-Call Communication in Orthopaedic Trauma: "A Picture is Worth a Thousand Words"—A Survey of OTA members. *J of Orthop Trauma. 2015 May;29(5):e194-7.*

JM Bauer, **AK Callan**, AA Jahangir. "Length-Preserving Intramedullary Femur Fixation for Traumatic Leg Amputation: A Case Report." *JBJS Case Connect, 2015 May 13; 5(2):e38.*

AK Callan, SJ Halverson, V Alamanda, JL Halpern, HS Schwartz, GE Holt. "Soft tissue sarcomas: Delay in diagnosis does not affect survival." (pending submission)

2010 - 2011 Institute of Orthopedic Research and Education and
Baylor College of Medicine. Mentor: Philip Noble, Ph.D.

- Investigated patient satisfaction and attitude towards pain following total knee arthroplasty.
- Investigated knee stability after ACL reconstruction with various states of medial meniscus deficiency. Worked in biomechanical lab performing cadaveric studies.

PUBLICATIONS:

AAOS Textbook: Let's Discuss: Common Orthopaedic Emergencies—Surviving the Night
"Compartment Syndrome: Management and Techniques of Release"

Alexandra K. Callan, MD and Hassan R. Mir, MD, MBA

ASSH Textbook of Hand and Upper Extremity Surgery

"Use of Locking Plate Technology in Hand Trauma"

Alexandra K. Callan, MD; Shawn S. Funk, MD; Donald H. Lee, MD

PRESENTATIONS:

MSTS Meeting, Denver, CO – 9/26 – 9/29/2017

Podium: "Concurrent Validity and Responsiveness of the Timed Up and Go Test (TUG) and the 10 Meter Walk Test (10MWT) in Orthopaedic Oncology Patients"

Poster: "Outcomes for Reamer Irrigator Aspirator (RIA) use in metastatic femoral intramedullary nails (IMN) compared to standard femoral IMN"

AAOS Annual Meeting, San Diego, CA – 3/14/2017

Podium: "Soft tissue sarcomas: Delay in diagnosis does not affect survival"

MD Anderson Pathology Course, Houston, TX 10/22/16

Lecture: Tumor Imitators

Hillman Lecture/Vanderbilt Orthopaedic Society Meeting, Nashville, TN 4/15/2016

Podium: "Soft tissue sarcomas: Delay in diagnosis does not affect survival"

MSTS/ISOLS Meeting, Orlando, FL – 10/6 – 10/10/2015
Poster: “Soft tissue sarcomas: Delay in diagnosis does not affect survival”
Poster: “C-Reactive protein (CRP) at diagnosis does not correlate with CRP at local recurrence of soft-tissue sarcoma.”

AAOS Annual Meeting, Las Vegas, NV – 3/24/2015
Poster: “Over-Utilization of Computed Tomography Angiography (CTA) in Extremity Trauma”

CTOS Annual Meeting Berlin, Germany - 10/14/2014
Poster: “Oncologic Outcomes of Management of Soft Tissue Osteosarcoma”

Tennessee Orthopaedic Society Meeting, Nashville, TN – 9/27/2014
Podium: “Over-Utilization of Computed Tomography Angiography (CTA) in Extremity Trauma”

Vanderbilt Research Symposium, Nashville, TN – 4/30/2014
Poster: “On-Call Communication in Orthopaedic Trauma: "A Picture Is Worth a Thousand Words””

AAOS Annual Meeting, Chicago, IL - 3/23/2013
Poster: “Does Patient Attitude Affect the Outcome of TKA?”

AMA Research Symposium, San Diego, CA - 11/5/2010
Poster: "Does Patient Attitude Affect The Outcome Of TKA?"

AWARDS & HONORS

Dedman Family Scholar in Clinical Care	2017-2021
MAPCO Cup Winner (Annual Orthopaedic Pathology Competition)	2014, 2015, 2016
“For the Love of the Game” Team Spirit Award Youth Girls Basketball Team (coach)	2014, 2015, 2016
BCM Alumni Association Outstanding Student	2011
Outstanding Student in Orthopaedic Surgery	2011
Gold Humanism Honor Society	2011
Outstanding Achievement in Orthopedic Research	2010
Sterling High Science Teacher of the Year	2004
Notre Dame Hall Spirit Award	2003
Notre Dame Student Leadership Award	2002
Alpha Epsilon Delta Pre-Medical Honor Society	2002
Dean’s List, University of Notre Dame	1999 (fall), 2000 (spring, fall), 2001 (spring), 2002(fall), 2003 (spring)

LEADERSHIP ACTIVITIES

Vanderbilt Orthopaedic Residency Program

2014-2016	Welcome Speaker for Vanderbilt Orthopaedic Residency Program Interviews
2013	“Fracture and Splinting Basics” – Presentation for the Vanderbilt Medical School Orthopaedic Interest Group

Baylor College of Medicine – Houston, TX

2007 – 2011 **Class President, Class of 2011**
MS1, MS2, MS3, MS4

2008 – 2011 Medical School Council: Athletics Director
2008 – 2011 Peer Resource Network Team Leader
2008 – 2009 Teaching Assistant - Compassion and the Art of Medicine
2007 – 2011 Team Captain - Intramural Athletics
Co-Ed Flag Football, Basketball, Volleyball, Softball
2008 Cadaver Dedication Ceremony, Speaker
2008 BCM Yearbook Staff
2008 Anatomy Tutor for MS1s
2007 AMSA World AIDS Day Co-Coordinator

2004 – 2006 **Young Life Youth Group Leader**, Sterling High School, Houston, TX

Teach for America – Houston, TX

2005 Co-Author, Integrated Physics and Chemistry Student Achievement Plan
2004-2005 Secondary Motivation Corps Community Leader
2004-2005 Transition Team Leader
2004 Lone Star Conference Presenter
Session on Secondary Motivation: “What makes students tick and talk?”
2005 Notre Dame Recruitment Team

University of Notre Dame – Notre Dame, IN

1999-2003 Station Manager - WSND 88.9 FM Radio Station
2002-2003 Alpha Epsilon Delta Pre-Medical Honor Society President
2001-2002 Welsh Family Hall Dorm President
2003 Notre Dame Freshman Orientation Leader

WORK EXPERIENCE

Fall 2014 East Nashville High School Football **Team Doctor**
2007 – 2011 Work Study: Anatomy Lab, BCM Education Resource Center and Houston
Museum of Health Sciences, Houston, TX
2003 - 2006 9th -12th Grade Biology, Environmental Science, and Chemistry Teacher
Teach for America, Ross Shaw Sterling High School, Houston, TX
2004 – 2006 Softball, Volleyball, & Basketball Coach, Sterling High School, Houston, TX
Summer 2005 Corps Member Advisor, Teach For America Institute, Houston, TX
2002-2003 Biology Laboratory Teaching Assistant, University of Notre Dame,
Notre Dame, IN
May - July Head Coach, Woodlands Waves Swim Team, The Woodlands, TX
2000 – 2002

COMMUNITY SERVICE

2010 Volunteer, Methodist Mass High School Physicals
2009 Facilitator, Dating Violence Prevention Workshop
2008- 2009 Mathew Carter Service Day Planning Committee and Volunteer
2008 Volunteer, Community Health Day
2008 Volunteer, Parents' Night Out, Texas Children's Hospital
2007 Presenter, World AIDS Day Awareness, Sterling High School

PROFESSIONAL MEMBERSHIPS & COMMITTEES

2016 – present	Musculoskeletal Tumor Society
2016 – present	Ruth Jackson Orthopaedic Society
2016 – 2017	MD Anderson Musculoskeletal Oncology Fellowship Program Evaluation Committee
2011 – present	American Academy of Orthopaedic Surgeons
2011 – 2016	Tennessee Orthopaedic Society
2007 – 2014	American Medical Association Member
2007 – 2011	American Medical Student Association Member
2007 – 2011	Texas Medical Association Member
2007 – 2010	Multiple Dean Appointed and Student Affairs Committees

HOBBIES & INTERESTS

Traveling, wakeboarding, snowboarding, SCUBA diving, rock climbing