

## Brian E. Walczak, DO, PhD, FAAOS

### Background Information

School of Medicine & Public Health  
Department of Orthopedics and Rehabilitation  
University of Wisconsin – Madison  
Medical Foundation Centennial Building  
1685 Highland Ave, 6<sup>th</sup> Floor  
Madison WI, 53705

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### Formal Education

#### *Undergraduate*

**Concordia University Wisconsin**, Mequon, WI  
Sports Medicine/Athletic Training, 1999

#### *Graduate*

**Concordia University Wisconsin**, Mequon, WI  
Master of Physical Therapy, 2002

**Institute of Clinical Translational Research (ICTR): Clinical Investigation - University of Wisconsin**, Madison, WI  
Ph.D. Clinical Investigation/Clinical Translational Sciences, 2016 – Defense: 4/28/2021  
Mentor: Wan-Ju Li, PhD, Musculoskeletal Biology & Regenerative Medicine Laboratory

#### *Medical School*

**Midwestern University – Chicago College of Osteopathic Medicine**, Chicago, IL  
Doctor of Osteopathic Medicine, 2007

#### *Residency*

**Mount Clemens Regional Medical Center**, Mount Clemens, MI  
Orthopedic Surgery, 2007 – 2012

#### *Postgraduate/Fellowship*

**Mayo Clinic, Department of Orthopedics**  
Rochester, MN  
Musculoskeletal Oncology and Limb Reconstruction 2012 – 2013

**University of Wisconsin – Madison, Department of Orthopedics & Rehabilitation**,  
Madison, WI

Orthopedic Sports Medicine and Arthroscopic Surgery, 2015 – 2016

*Research Fellowship*

**Clinical Research Fellow**, Rush University Medical Center/Rush Medical College.  
Department of Orthopedic Surgery and Anatomy & Cell Biology, Chicago, IL, 2006  
Research Mentor: Brian J. Cole, MD, MBA and Jim Williams, PhD.  
Research Focus: *Joint preservation in the young athlete.*

*Research Fellowship*

**National Institute of Health (NIH) Research Fellow**, Northwestern University - Chicago,  
Department of Anatomy, Downers Grove, IL, 2004  
Research Mentor: Michelle Singleton, Ph.D.  
Research Focus: *Morphometric shape variation in the human lumbar spine-implications for trans-pedicle screw fixation surgery.*

*Certification and Licensure*

Physician and surgeon (active) 518269 Credential number: 63567-21, Wisconsin, 2.2.15 - 10.31.2021

Physician and surgeon (active) 55822, Minnesota, 8.1.2012 – 6.30.2021

Physician and surgeon (active) 5101017411, Michigan, 4.7.2009 – 12.31.2021

American Osteopathic Board of Orthopedic Surgery: May 7, 2018 – December 31, 2028

Certified Athletic Trainer (ATC)

CPR/BLS Certified

**Current Position**

**Assistant Professor (Tenure-Track)**, University of Wisconsin-Madison – School of Medicine & Public Health, Department of Orthopedics & Rehabilitation, December 1, 2019  
- Present:

- Division of Sports Medicine.
- Division of Musculoskeletal Oncology and Complex Joint Preservation.

**Clinical Instructor**, University of Wisconsin-Madison – Department of Orthopedics and Rehabilitation, Division of Sports Medicine and Musculoskeletal Oncology, Madison, WI.  
August 1, 2016 – November 30, 2019.

**Staff Orthopedic Surgeon**, William S. Middleton Memorial Veterans Hospital, Madison, WI.  
August 1, 2016 – Current.

**Team Physician**, University of Wisconsin Badger Athletics. 2015 - Current

- Head Team Physician: Men's Hockey, 2016 – Current
- Associate Team Physician: Football, 2016 – Current
- Associate Team Physician: Wrestling, 2016 – Current

## Past Appointments/Positions

**Assistant Team Physician**, Madison Capitols Hockey, Madison, WI 2015 – 2018

**Assistant Team Physician**, Wisconsin Badger Football, Madison, WI 2015 – 2016

**Assistant Team Physician**, Wisconsin Badger Hockey/Wrestling/Crew/Spirit, Madison, WI 2015 – 2016

**Orthopedic Surgeon**, Orthopedic Oncology and Reconstructive Surgery, Karmanos Cancer Center and McLaren Cancer Institute, Detroit, MI. August 30, 2013 – July 11, 2015.

### Local Sports Team Coverage

Chippewa Valley High School Football, Clinton TWP, MI 2011 Season

York High School Cross Country, Elmhurst, IL 2003 – 2007

York High School Football, Elmhurst, IL 2003 – 2007

Homestead High School Soccer, Mequon, WI 2001 Season

Homestead High School Hockey, Mequon, WI 2001 Season

## Honors and Awards

**New Investigator Recognition Award (NiRA)**, Orthopaedic Research Society (ORS), February 1, 2019 – February 5, 2019. Reprogrammed Mesenchymal Stem Cells Acquire Enhanced Therapeutic Potential For Cartilage Repair.

**Post-Doctoral Graduate Training Award**, Stem Cell and Regenerative Medicine Center (SCRMC). University of Wisconsin-Madison. February 1, 2019 – January 31, 2020.

**Freedom of Movement Grant**, University of Wisconsin-Madison, Department of Orthopedics and Rehabilitation. January 1, 2018 – December 20, 2018: Mechanisms Governing Mesenchymal Stem Cell Aging.

**NIH Award – (T32) 5T32AG000213-26**, Institute on Aging, December 1, 2017 – November 30, 2018

**NIH Award – (TL1) TR000429**, Institute Clinical Translation Sciences, September 1, 2016 – November 30, 2017.

**NIH Award – (UL1) TR000427**, Institute Clinical Translation Sciences, September 1, 2016 – November 30, 2017.

**Clinical Scientist Career Development Award**: American Academy of Orthopedic Surgeons (AAOS) – Musculoskeletal Tumor Society (MSTS), Rosemont, IL September 15-17, 2016.

**Service Excellence Recognition**: McLaren Cancer Institute. Detroit, MI (2015).

**Physician of the Year 2013-2014**: St. John Hospital and Medical Center. Detroit, MI.

**Mayo Clinic's Doug Pritchard Award:** Innovative surgical treatment in orthopaedic oncology. St. Vincent's Hospital/University of Melbourne. Melbourne, Australia (2014).

**Mayo Clinic's Doug Pritchard Award:** Innovative surgical treatment in orthopaedic oncology. State University New York (SUNY) Upstate, Syracuse, NY (2012).

**Orthopaedic Resident of the Year Award: Iris Klinkenburg Award for Compassion and Clinical Care of Orthopedic Patients.** (2011). Michigan State University, MI.  
Director of Medical Education: Christopher Schnurer, DO

**Orthopaedic Resident of the Year Award: Iris Klinkenburg Award for Compassion and Clinical Care of Orthopedic Patients.** (2010). Michigan State University, MI.  
Director of Medical Education: Christopher Schnurer, DO

**Pharmacology Basic Science Award:** Excellence in Pharmacology. (2005).  
Department of Pharmacology, Midwestern University Chicago, Downers Grove, IL.  
Department Chairman: Walter Prozialek, Ph.D.

**Sigma Sigma Phi (SSP):** National Honorary Osteopathic Service Fraternity. (2005).  
Midwestern University Chicago, Downers Grove, IL.

## Professional Society Memberships

Member, Mid-America Orthopaedic Association (MAOA). 2019 – Current.

Member, Orthopaedic Research Society (ORS). 2016 – Current.

Member, Arthroscopy Association of North America (AANA). 2016 – Current.

Member, American Orthopaedic Society for Sports Medicine (AOSSM). 2016 – Current.

Member, Musculoskeletal Tumor Society (MSTS). 2013 – Current.

Fellow, American Academy of Orthopedic Surgeons (FAAOS). 2008 – Current.

Member, American Osteopathic Academy (AOA) / American Osteopathic Academy of Orthopedics (AOAO). 2007 – Current.

Member, Sigma Sigma Phi (SSP). National Honorary Osteopathic Service Fraternity. 2005 – Current.

Member, Wisconsin Orthopedic Society (WOS). Member 2016 – Current.

Member, Mayo Alumni Association. Member 2013 – Current.

## Publications

### Peer-Reviewed Publications

Greiner JJ, Trotter CA, **Walczak BE**, Hetzel SJ, Baer GS. Pitching Behaviors in Youth Baseball: Comparison With the Pitch Smart Guidelines. *Orthopaedic Journal of Sports*

*Medicine*. November 2021. doi:10.1177/23259671211050127.

**Walczak BE**, Miller K, Behun MA, Sienkiewicz L, Hartwig Stokes H, McCabe R, Baer GS. Quantifying the differential functional behavior between the medial and lateral meniscus after posterior meniscus root tears. *PLoS One*. 2021 Nov 10;16(11):e0259678. doi: 10.1371/journal.pone.0259678. PMID: 34758053; PMCID: PMC8580232.

**Walczak BE**, Jiao H, Lee MS, Li WJ. Reprogrammed Synovial Fluid-Derived Mesenchymal Stem/Stromal Cells Acquire Enhanced Therapeutic Potential for Articular Cartilage Repair. *Cartilage*. 2021 Sep 1:19476035211040858. doi: 10.1177/19476035211040858. Epub ahead of print. PMID: 34467773.

Lee, M.-S., Stebbins, M.J., Jiao, H., Huang, H.-C., Leiferman, E.M., **Walczak, B.E.**, et al. Comparative evaluation of isogenic mesodermal and ectomesodermal chondrocytes from human iPSCs for cartilage regeneration. *Science Advances*. 2021;7:eabf0907.

Jiao H, **Walczak BE**, Lee MS, Lemieux ME, Li WJ. GATA6 regulates aging of human mesenchymal stem/stromal cells. *Stem Cells*. 2021 Jan;39(1):62-77. Nov 30. doi: 10.1002/stem.3297. Epub 2020 Nov 30. PMID: 33252174. PMCID: PMC7772271.

**Walczak BE**, Hetzel S, Akoh CC, Baer GB. Intra-operative Conversion of Four-strand Hamstring Autograft to a Five-strand Configuration Significantly Increases Graft Diameter Independent of Patient Characteristics During Anterior Cruciate Ligament Reconstruction. *J Knee Surg* 2021; 34(08): 828-833, DOI: 10.1055/s-0039-3400955.

Li WJ, Jiao H, **Walczak BE**. Emerging Opportunities for Induced Pluripotent Stem Cells in Orthopedics. *Journal of Orthopaedic Translation* 2019 March; ISSN 2214-031X, <https://doi.org/10.1016/j.jot.2019.03.001>. PMID: 31194067. PMCID: PMC6551359.

Youlo S, **Walczak BE**, Keene J. Does Psychotropic Medication Use Adversely Affect the Outcomes of Hip Arthroscopy Patients? *Am J Sports Med*. 2018 Dec;46(14):3423-3428. PMID:30365348. PMCID: PMC6472950.

**Walczak BE**, Nies M, Trask D, Squire M, Baer GS. Osteochondral Graft Size is Significantly Associated with Increased Force and Decreased Chondrocyte Viability. *Am J Sports Med*. 2018 Mar;46(3):623-631. PMID: 29328886. PMCID: PMC6534416.

**Walczak BE**, Lukes C, Amendola N, Dunn WR. Limited Evidence That the Presence of Bone Bruise Alone Affects the Clinical Outcome of Surgically Reconstructed Anterior Cruciate Ligaments: A Systematic Review. *JISAKOS* 2017;2:186-190. PMID: 28845301. PMCID: PMC5568807.

**Walczak BE**, Blankenbaker D, Tuite M, Keene J. Documentation of the Severity of Muscle Atrophy That Occurs After Arthroscopic Labral-Level Iliopsoas Tenotomies. *Orthop J Sports Med*. 2017 May 25;5(5):2325967117707498. <https://doi.org/10.1177/2325967117707498>. eCollection 2017 May. PMID: 28596974. PMCID: PMC5448789.

Houdek MT\* (Co-first author), **Walczak BE\*** (Co-first author), Wilke BK, Kakar S, Rose PS, Shin AY. What factors influence the outcome of surgically treated soft tissue sarcomas of the hand and wrist? *HAND* 2016;1:8. PMID: 28832212. PMCID: PMC5684921.



**Walczak BE**, Rose PS. Desmoid: The role of local therapy in an era of systemic options. *Current Treatment Options in Oncology*. 2013;14(3):465-473. PMID: 23760919.

Klosowska, K., Mc Dermott, S., Zanotti, B., Volin, M., **Walczak, B.**, & Woods, J. Manzamine A (MZA) has differential effects on osteoarthritis (OA) fibroblast expression of MCP-1 and IL-6. *The Journal of Immunology*, 2012;188;54.26.

**Walczak BE**, McCulloch PC, Kang RW, Zelazny A, Tedeschi F, Cole BJ. Prevalence of abnormal findings on knee MRI in asymptomatic NBA basketball players. *J Knee Surg*. 2008;21:27-33. PMID: 18300668.

### Reviews, Case Reports, and Other

**Walczak BE**, Johnson CN, Howe BM. Myositis ossificans. *J Am Acad Orthop Surg* 2015;23(10):612-622. PMID: 26320160.

Beenken K, **Walczak BE**. Medial elbow mass in an 18-year-old female. *Clin Ortho Relat Res* 2015;473(6):2158-2162.

**Walczak BE**, Irwin RB. Sarcoma chemotherapy. *J Am Acad Orthop Surg* 2013;21:480-491. PMID: 23908254.

**Walczak BE**, Halperin DM, Bdeir RW, Irwin RB. A 50-year-old woman with persistent knee pain: A rare presentation. *Clin Orthop Rel Res*. 2011q;469(12):3527-3532.

**Walczak BE**, Peterson JS, Irwin RB. *Rare extraskeletal osteosarcoma in the anterolateral right leg of a 37-year-old man. Am J Orthop*. 2009;29(5):E93-97. PMID: 19585002.

### Papers Submitted to Peer-Reviewed Journals

**Walczak BE**, Bernardoni ED, Steiner Q, Baer GS, Donnelly M, Shepler JA. Multimodal Analgesia Reduces Postoperative Opioid Requirements After Hamstring Autograft Anterior Cruciate Ligament Reconstruction: A Randomized, Double-Blind, Placebo-Controlled Trial. *Br J Sports Med* (Submitted).

Neuville A, Bengue CL, Baer GS, Tjong VK, **Walczak BE**. Risk Factors for Sports Hernia Development in Collegiate Football Student-Athletes: A Retrospective Cohort Study. *Sports Health*. (Submitted).

Greiner JJ, Trotter CA, **Walczak BE**, Hetzel SJ, Baer GS. Youth Softball Pitchers Demonstrate High Pitching Volumes. *Journal of Pediatric Orthopaedics*. (Submitted).

Tupta J, Mussallem J, Fischer M, Spiker A, **Walczak BE**, Chumanov E. A retrospective cohort study: Return to sport progressive functional testing criteria following hip arthroscopy. *JOSPT* (Submitted).

Binversie EE, **Walczak BE**, Baker LA, Scerpella TA, Muir P. Canine ACL rupture: An Important Large Animal Model of Human ACL Rupture and a Common Complex Spontaneous Disease of Dogs. *Journal of Orthop Res*. (Submitted).

## Chapters in Books, Videos or Other Appropriate Media

**Complications of Anterior Cruciate Ligament Reconstruction.** Brian E. Walczak, Samuel R.H. Steiner, Jason D. Archibald, Geoffrey S. Baer. *Insall & Scott Surgery of the Knee*, 6<sup>th</sup> Ed. Elsevier. March 10, 2017.

**The Impact of Knee Injuries Associated with Traumatic Anterior Cruciate Ligament Rupture.** Lindsey Ingle Stokes, MEd, ATC, Malcolm Brown, ATC, Brian E. Walczak, DO, ATC. *Knee Injuries and Repair: Diagnoses, Management and Outcomes*. Nova Publishers, January 2016.

**Surgical Treatment of Tumors and Tumor-like Lesions of Bone.** Brian E. Walczak, DO, Peter S. Rose, MD, Franklin H. Sim, MD. *Tumors and Tumor-Like Lesions of Bone*. Editors: Santini-Araujo, E., Kalil, R.K., Bertoni, F., Park, Y.-K (2<sup>nd</sup> Eds.) Springer International Publishing. April 2020.

**Surgical Treatment of Tumors and Tumor-like Lesions of Bone.** Brian E. Walczak, DO, Peter S. Rose, MD, Joel M. Post, DO, Franklin H. Sim, MD. *Tumors and Tumor-like Lesions of Bone and Joints: For Surgical Pathologists, Orthopaedic Surgeons and Radiologists*. Springer Verlag. June 2015.

## Invited Research Presentations

### Local

Walczak BE, Jiao H, Lee MS, Li WJ. Use of Reprogrammed Synovial Fluid Derived MSCs for Cartilage Repair. Stem Cell and Regenerative Medicine Center. Wisconsin Institute for Discovery. February 11, 2020.

Walczak BE, Trask D, Squire M, Baer GS. *What graft size is associated with the lowest impact pressure during osteochondral allograft transplant*. University of Wisconsin Annual Orthopedic Research Day. Fluno Center, Madison, WI May 8, 2016 (Best Fellow's Presentation).

### Regional

Johnson CN, Irwin RB, Walczak BE. *Early excision of suspected myositis ossificans does not increase risk of recurrence*. McLaren-Macomb Research Day, May, 2014.

Beenken K, Walczak BE, George S. *Medial elbow mass in an 18-year-old female: A rare and under-recognized benign hypertrophic peripheral nerve sheath tumor (intraneural perineurioma)*. McLaren-Macomb Research Day, May 2014.

Walczak, BE. *Innovative surgical treatment in orthopaedic oncology*. Ivin's Society. Upstate Medical Center, Syracuse, NY October 12, 2012, United States Military Academy (USMA) West Point, NY October 10, 2013, University of Melbourne/St. Vincent's Hospital Melbourne, Australia April 9, 2014.

Walczak BE, Passanise A, Schoch NJ. *Total shoulder arthroplasty with a press-fit tantalum metal-backed glenoid: Clinical and radiographic outcomes*. Michigan Orthopaedic Society. Mackinac Island, MI. June 2012.

Walczak BE, Chong K, Klosowska K, Woods JM. *Manzamine A decreases rheumatoid arthritis synoviocyte secretion of CC and CXC chemokines*. Michigan Orthopaedic Society Annual Meeting, Mackinac, MI. June 25<sup>th</sup>, 2011.

Walczak BE, Slusher MR. *Preliminary results of standard instrumentation and custom instrumentation on peri-operative outcomes of total knee arthroplasty*. McLaren Health Care, Detroit, MI. May 2010.

Walczak BE, Passanise A, Schoch NJ. *Total shoulder arthroplasty with a press-fit tantalum metal-backed glenoid: Clinical and radiographic outcomes*. McLaren Health Care, Detroit, MI. May 2010.

Walczak BE, Halperin DM, Bdeir RW, Irwin RB. *Isolated Rosai-Dorfman Disease of Bone: A Case Report and Literature Review*. McLaren Health Care, Detroit, MI. May 2010.

Walczak BE, Peterson JS, Irwin RB. *Rare Extraskeletal Osteosarcoma in the Anterolateral Right Leg of a 37-year-old Man*. McLaren, MI. May 2009 – First (1<sup>st</sup>) Place.

#### National

Optimizing Hip Arthroscopy Outcomes in the Athlete: The Use of Functional Testing Data to Guide Rehabilitation. Big Sky Athletic Training Conference (BSATC). February 6, 2020. Big Sky, MO.

Reprogrammed Mesenchymal Stem Cells Acquire Enhanced Therapeutic Potential For Cartilage Repair Strategies. Grand Rounds. University of Wisconsin – Madison. November 6, 2019. Madison, WI.

#### International

Assessment of the severity of muscle atrophy that occurs after arthroscopic labral-level and lesser trochanteric iliopsoas tenotomies - Paper#74. International Society of Hip Arthroscopy (ISHA). San Francisco, CA, September 15-17, 2016.

Prevalence of abnormal findings on knee MRI in asymptomatic NBA basketball players. ISAKOS. Florence, Italy. May, 2007.

### Peer-Reviewed Presentations

#### Local/UW

**Walczak BE.** *Improving Compliance for Safe Pitching Behavior in Youth Softball and Baseball*. Visiting Professor – William Levine, MD. University of Wisconsin-Madison, Department of Orthopedics & Rehabilitation, September 24, 2021.

#### Regional

Greiner JJ, Trotter CA, Hetzel SJ, **Walczak BE**, Baer GS. *Pitch Counts in Youth Baseball: A Comparison to Pitch Smart Guidelines*. Podium Presentation - Wisconsin Orthopedic Society, October 22, 2020. [WOS@badgerbay.com](mailto:WOS@badgerbay.com)



## National

Multimodal Analgesia Plus Intraoperative Hamstring Sheath Injection for Hamstring Autograft Anterior Cruciate Ligament Reconstruction Reduces Postoperative Posterior Knee Pain But Does Not Reduce Postoperative Narcotic Requirements: A Double-Blind Randomized Control Trial. AOSSM-AANA Combined Meeting. July 10, 2021. Nashville, TN.

## International

**Walczak BE.** Pitching Behaviors in Youth Baseball Pitchers: A Comparison to Pitch Smart Guidelines. AAOS Annual Scientific Meeting. September 2, 2021. San Diego, CA.

**Walczak BE.** Multimodal Analgesia Plus Intraoperative Hamstring Sheath Injection for Hamstring Autograft Anterior Cruciate Ligament Reconstruction Reduces Postoperative Posterior Knee Pain But Does Not Reduce Postoperative Narcotic Requirements: A Double-Blind Randomized Control Trial. AAOS Annual Scientific Meeting. August 31, 2021. San Diego, CA.

**Walczak BE.** Minimally Invasive Approach to Tumor-like Conditions of the Hip and Pelvis. Ivin's Society and The Swiss Sarcoma Society Conference. Luzern, Switzerland, August 21, 2021.

**Walczak BE,** Miller K, Hartwig-Stokes H, McCabe R, Baer GS. The Effects of Early Knee Motion and Weight-Bearing on Repair of the Posterior Root of the Lateral Meniscus – Podium& Paper Presentation #641. American Academy of Orthopedic Surgeons (AAOS). Orlando, FL, March 27<sup>th</sup>, 2020.

**Walczak BE,** Jiao H, Lee MS, Li WJ. New Investigator Recognition Award (NiRA) Winner (Cartilage Section), Orthopaedic Research Society (ORS), February 1, 2019 – February 5, 2019. Reprogrammed Mesenchymal Stem Cells Acquire Enhanced Therapeutic Potential For Cartilage Repair. Austin, TX.

## Research Support

### *Current*

**School of Medicine and Public Health (SMPH),** University of Wisconsin – Madison.  
December 1, 2019 – November 30, 2021.

**Department of Orthopedics & Rehabilitation,** University of Wisconsin – Madison.  
December 1, 2019 – November 30, 2021.

### *Major Past Awards*

**Post-Doctoral Graduate Training Award,** Stem Cell and Regenerative Medicine Center (SCRMC). University of Wisconsin-Madison. February 1, 2019 – January 31, 2020.

**New Investigator Recognition Award (NiRA),** Orthopaedic Research Society (ORS), February 1, 2019 – February 5, 2019. Reprogrammed Mesenchymal Stem Cells Acquire

Enhanced Therapeutic Potential For Cartilage Repair.

**Freedom of Movement Grant**, University of Wisconsin-Madison, Department of Orthopedics and Rehabilitation. January 1, 2018 – December 20, 2018: Mechanisms Governing Mesenchymal Stem Cell Aging.

**NIH Award – (T32) 5T32AG000213-26**, Institute on Aging (IOA), December 1, 2017 – November 30, 2018

**NIH Award – (TL1) TR000429**, Institute Clinical Translation Sciences (ICTR), September 1, 2016 – November 30, 2017.

**NIH Award – (UL1) TR000427**, Institute Clinical Translation Sciences (ICTR), September 1, 2016 – November 30, 2017.

**Orthopedic Research Grant: University of Wisconsin-Madison:** Biomechanical characterization of meniscal root injury. UW Health, Madison, WI (August, 2016).

**Orthopedic Research Grant University of Wisconsin-Madison:** Osteochondral allograft size determines contact pressure and chondrocyte viability. UW Health, Madison, WI (March, 2016).

**OREF:** Sacral Tumor Study Group Meeting, Mayo Clinic, Rochester, MN (January 26-28, 2012)

**Savvy Student Traveler Grant:** American Osteopathic Foundation, American Osteopathic Association National Research Convention. Las Vegas, NV (2006)

## Educational Activities & Presentations

<b>Classroom Teaching</b> (graduate & undergraduate)						
Years	Course Title	Credits	Students	Grade Distribution	Contact Hours	Format
2021	<i>BME: Seminars in Health</i>	3	100		3h/wk x 5 wks	Lecture

<b>Guest Lectures</b> (graduate & undergraduate)						
Years	Course Title	Credits	Students	Contact Hours	Format	

<b>Clinical Teaching</b> (postgraduate trainees/clinical trainees, including fellows and residents)			
Years	Trainee Name	Face-to-Face Contact Hours	Teaching Context*
2016	<i>Krystin Darmafall</i>	500 Hours	<i>Clinic, Training Room, Sporting Event Coverage, Operating Room</i>
2017	<i>Lisa Sienkiewicz</i>	500 Hours	<i>Clinic, Training Room, Sporting Event Coverage, Operating Room</i>
2018	<i>Chike Akoh</i>	500 Hours	<i>Clinic, Training Room, Sporting Event Coverage, Operating Room</i>



2019	Peter Eggert	500 Hours	Clinic, Training Room, Sporting Event Coverage, Operating Room
2020	Clint Bengt	500 Hours	Clinic, Training Room, Sporting Event Coverage, Operating Room
2021	Anthony Zacharias	500 Hours	Clinic, Training Room, Sporting Event Coverage, Operating Room

<b>Local Continuing Medical Education Courses</b>				
Years	Course Title	Students	Hours	Sponsor - Venue
2021	Orthopedic Indications – Extra-articular Hip Impingement and Associated Joint Injury	~50	5h/year	SMPH
2020, 2021	Orthopedic Indications - Meniscal Injury: Resection, Repair, and Root Tears.	~50	5h/year	SMPH
2020, 2021	Orthopedic Indications – Articular Cartilage Replacement Including Allograft OATS.	~50	5h/year	SMPH
2018	Hip Surgery and Postoperative Rehab on an Arthroscopic Continuum	~200	5h/year	UW-Madison Hospitals and Clinics
2017	Hip Injuries: Physical Examination and Imaging	~200	5h/year	UW-Madison Hospitals and Clinics
2016	Tumors that occur in athletes: Diagnosis and Treatment Considerations	~100	5h/year	SMPH

<b>Regional Continuing Medical Education Courses</b>				
Years	Course Title	Students	Hours	Sponsor - Venue
2016	UW-Madison Annual Sports Medicine Symposium – Evidenced-based Update on the Clinical	~500	10h/year	American Family Insurance Center, Madison, WI



	<i>Examination of the Shoulder and Hip</i>			
2013, 2014	<i>Musculoskeletal Oncology Review Course</i>	~100	10h/year	<i>Karmanos Cancer Center, Detroit, MI</i>
2009	<i>Tumors of the Foot</i>	~100	8h/year	<i>St. John Medical Center</i>

<b>National Continuing Medical Education Courses</b>				
Years	Course Title	Students	Hours	Sponsor - Venue
2015, 2016, 2017, 2018, 2019, 2020, 2021	<i>Foundations in Arthroscopy</i>	~200	30h/year	<i>Arthroscopy Association of North America (AANA)</i>

<b>International Continuing Medical Education Courses</b>				
Years	Course Title	Students	Hours	Sponsor - Venue
2021	<i>Knee &amp; Shoulder Arthroscopy</i>	~200	30h/year	<i>American Academy of Orthopedic Surgeons (AAOS)</i>

<b>Postdoctoral Mentees</b>		
Years	Mentee Name	Current Position

<b>Graduate Student Mentees</b>			
Years	Mentee Name	Degree Program	Current Position
2020-	<i>Leslie Goodavish</i>	<i>Ph.D. (ICTR)</i>	<i>In Progress</i>

Other Educational Activities

**Service Activities**

*Departmental*

**Resident Research Committee Member:** University of Wisconsin – Madison, Department of Orthopedics & Rehabilitation. May 2019 – Present.

**Team Physician:** University of Wisconsin – Madison, Department of Orthopedics & Rehabilitation and Badger Athletic Department. July 2015 – Present.

## *UW-SMPH*

**Musculoskeletal Focus Group Member:** Musculoskeletal Biology and Regenerative Medicine - University of Wisconsin-Madison. Director: Wan-Ju Li, PhD. September 1, 2017 – Present.

## *Regional*

**Faculty Instructor:** American Academy of Orthopedic Surgeons (AAOS) – Fundamentals of Knee and Shoulder Arthroscopy. Course Directors: Doug Evans, MD and Gregg T. Nicandri, MD

**Master Instructor:** Arthroscopy Association of North America (AANA) – Foundations of Arthroscopy. Course Director: John F. Orwin, MD. December 8-10, 2019. Rosemont, IL.

**Master Instructor:** Arthroscopy Association of North America (AANA) – Foundations of Arthroscopy. Course Director: John F. Orwin, MD. December 6-8, 2018. Rosemont, IL.

**Master Instructor:** Arthroscopy Association of North America (AANA) – 613 Resident/Fellow Course: Fundamentals in Arthroscopy. Course Director: John F. Orwin, MD. December 7-9, 2017. Rosemont, IL.

**Master Instructor:** Arthroscopy Association of North America (AANA) – 514 Resident/Fellow Course: Fundamentals in Arthroscopy. Course Director: John F. Orwin, MD. December 8-11, 2016. Rosemont, IL.

**Committee Member:** McLaren Cancer Committee. 9/1/2013 – 7/11/2015. Macomb, MI

**Moderator:** McLaren-Macomb Musculoskeletal Multidisciplinary Tumor Board. 9/2013 7/2015. Macomb, MI.

**Clinical Instructor:** Michigan State University, Orthopedic Surgery, East Lansing, MI 2010 – 2015.

**Resident Liaison:** American Academy of Orthopedic Surgeons (AAOS), 2010 – 2012.

## *National*

**Consultant:** Norman Lear Center's Hollywood, Health & Society program to ensure accurate information and authentic details for film and television writers/producers on the topics of medicine, science and healthcare for scripts. HH&S is affiliated with the USC Annenberg School of Communications and Journalism and is funded by the Robert Wood Johnson Foundation, CDC, SCAN Foundation, California Healthcare Foundation, and others. The organization connects experts with the entertainment business including shows such as Grey's Anatomy, The Good Doctor, New Amsterdam, Chicago Med, The Resident, General Hospital, This Is Us and more.

## **Professional Service**

Local

Regional/State

National

Research Committee Member: Musculoskeletal Tumor Society (MSTS).  
Term: October 7, 2021 – 2024.

Cartilage Council Consultant: Allosource – Prochondrix cartilage allograft

Orthopedic Board Examiner, American Osteopathic Board of Orthopedic Surgeons  
(AOBOS). 2019 – Current.

Reviewer: American Journal of Sports Medicine

Reviewer: Journal of Hand and Microsurgery

Reviewer: HAND – Journal of the American Association of Hand Surgery

Reviewer: Journal of Osteopathic Medicine

International

Consultant: Swiss Sarcoma Society

**Community Outreach/Service**

Volunteer, Living Better Senior Club, Osteoarthritis and You, Macomb, MI Nov. 2014

Volunteer, Special Olympics, Bocca Ball National Championships, Downers Grove, IL  
2006