

# MATTHEW PIFER, M.D.

## EDUCATION

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2004-2008	Case Western Reserve University School of Medicine <i>Doctor of Medicine</i>	Cleveland, OH
2002-2005	Case Western Reserve University School of Medicine <i>Masters of Science in Applied Anatomy</i>	Cleveland, OH
1997-2002	Ashland University <i>Bachelor of Science, Double Major in Biology &amp; Chemistry</i>	Ashland, OH

## BOARD CERTIFICATION AND LICENSURE

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Board Certified, American Board, Orthopedic Surgery  
California Medical Board: License #A124936  
California Department of Public Health Fluoroscopy X-ray Supervisor and Operator ID#RHC00200044

## PROFESSIONAL TRAINING

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2013-2014	Kaiser Permanente Hospital Systems <i>Fellowship in Orthopaedic Sports Medicine (ACGME Accredited)</i>	San Diego, CA
2008-2013	Oakland University William Beaumont School of Medicine <i>Internship/Residency in Orthopaedic Surgery</i>	Royal Oak, MI

## ADDITIONAL PROFESSIONAL EXPERIENCE

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2016-Present	The Spine and Orthopedic Center <i>Orthopedic Surgeon</i>	Santa Barbara, CA
2014-2016	Orthopaedic Specialists of Wilkes (under the Carolinas Health Care System) Wilkesboro, NC <i>Orthopedic Surgeon</i>	

## COMMUNITY ACTIVITIES, HONORS AND AWARDS

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2013	Physician to Southwestern College Football Team	
2013	Chula Vista Football Team <i>Primary Physician</i>	
2010-2012	NFL: Detroit Lions <i>Training room and preseason physicals with Kyle Anderson M.D.</i>	
2010-2012	High School Football <i>Coverage for 7 regional teams with Joe Guettler, M.D.</i>	
2005	Case School of Medicine <i>Herbert S. Steuer Memorial Award for Work in Anatomy</i>	
1997-2002	Ashland University - NCAA Football <i>Team Record Holder: 3<sup>rd</sup> All-time leading scorer</i> <i>Team Record Holder: 2<sup>nd</sup> All-time field goals in career</i>	

2001	Ashland University – NCAA Football <i>Special Teams Player of the Year</i>
2001	Ashland University - NCAA Football <i>NCAA DII Don Hansen Preseason All-American</i>
2000	Ashland University - NCAA Football <i>NCAA DII National Player of the Week, November</i>
1999-2001	Ashland University - NCAA Football <i>GLIAC Conference Player of the Week, Sep 1999, Nov 2000, Nov 2001</i>
2000	Ashland University - NCAA Football <i>GLIAC 1<sup>st</sup> Team All-Conference</i>
2001	Ashland University - NCAA Football <i>GLIAC 2<sup>nd</sup> Team All-Conference</i>
2000-2001	Ashland University - NCAA Football <i>GLIAC Academic All-Conference</i>
1998, 2000	Ashland University <i>Dave Williams Science Award</i>
1999-2002	Ashland University <i>Fred M. Martinelli Scholarship</i>
1997-2002	Ashland University <i>Academic Achievement Scholarship</i>
1997-2002	Ashland University <i>Beta Beta Beta, National Biology Honorary</i>

#### PROFESSIONAL MEMBERSHIPS

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American Medical Association  
American Academy of Orthopedic Surgeons  
Arthroscopy Association of North America

#### ATTENDING STAFF

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Carrillo Surgery Center	Santa Barbara, CA
Central Valley Surgery Center	Bakersfield, CA

#### RESEARCH PUBLICATIONS

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Anakwenze OA, Pifer MA, Singh A. Clavicle stress fracture after reverse shoulder arthroplasty. J Shoulder Elbow Surg. 2014 Jul;23(7):e170-2. doi: 10.1016/j.jse.2014.03.015. PMID:24929749

Pifer MA, Maerz T, Baker KC, Anderson K. Matrix Metalloproteinase Content and Activity in Low-Platelet, Low-Leukocyte and High-Platelet, High-Leukocyte Platelet Rich Plasma (PRP) and the Biologic Response to PRP by Human Ligament Fibroblasts. *Am J Sports Med.* 2014 May;42(5):1211-8. doi: 10.1177/0363546514524710. Epub 2014 Mar 13. PMID: 24627579

Pifer M, Ashfaq K, Maerz T, Jackson A, Baker K, Anderson K. Intra- and interdisciplinary agreement in the rating of acromioclavicular joint dislocations. *Phys Sportsmed.* 2013 Nov;41(4):25-32. doi: 10.3810/psm.2013.11.2033. PMID: 24231594

Lynch JL, Pifer MA, Maerz T, Kurdziel MD, Davidson AA, Baker KC, Anderson K. The Graft Link ulnar collateral ligament reconstruction: biomechanical comparison with the docking technique in both kinematics and failure tests. *Am J Sports Med.* 2013 Oct;41(10):2278-87. doi: 10.1177/0363546513498999. Epub 2013 Aug 12. PMID: 23940203

Pifer MA, Kibuule LK, Maerz T, Studzinski DM, Baker KC, Herkowitz HN. In vitro response of human chondrocytes to a combination of growth factors and a proteinase inhibitor. *Orthopedics.* 2012 Jan;35(1):35-42. PMID: 22229919

Joseph SM, Pifer MA, Przybylski RJ, Dubyak GR. Methylene ATP analogs as modulators of extracellular ATP metabolism and accumulation. *Br J Pharmacol.* 2004 Jun 21 PMID: 15210578

Ditmyer MM, Topp R, Pifer M. Prehabilitation in preparation for orthopaedic surgery. *Orthop Nurs.* 2002 Sep-Oct;21(5):43-51; quiz 52-4. Review. PMID: 12432699

#### BOOK PUBLICATIONS

Sgaglione, Nicholas. Lubowitz, James. Provencher, Matthew. *The Knee. AANA Advanced Arthroscopic Surgical Techniques.* SLACK Inc, 2016. Chapter 12: Reconstruction of the MPFL For Instability.

Reider, Bruce. Davis, George. Provencher, Matthew. *Orthopaedic Rehabilitation of the Athlete. Getting Back In the Game.* Saunders, 2015 Chapter 28: Nonoperative Rehabilitation of Patellar Instability, Postoperative Rehabilitation after proximal realignment procedures and MPFL reconstruction.

#### COURSES

02/16	DePuy Synthes Anatomic to Reverse Shoulder Arthroplasty Course	Tampa, FL
10/15	Arthrex Greenville Shoulder Symposium	Greenville, SC
06/14	San Diego Shoulder Meeting	San Diego, CA
05/14	Arthrex Fellows Course	Naples, FL
03/14	American Academy of Orthopaedic Surgeons Annual Meeting	New Orleans, LA
06/13	Michigan Orthopaedic Society Annual Scientific Conference	Mackinac Island, MI
05/13	American Academy of Orthopaedic Surgeons Annual Meeting	Chicago, IL
03/13	Stryker Resident Shoulder & Elbow Dissection Course	Tampa, FL

09/12	Exactech Fellowship Course in Shoulder Arthroplasty	New York, NY
06/12	Michigan Orthopaedic Society Annual Scientific Conference	Mackinac Island, MI
06/11	Michigan Orthopaedic Society Annual Scientific Conference	Mackinac Island, MI
03/11	AAOS/AOSSM Sports Medicine Course: Elite Athletes to Weekend Warriors	Vail, CO
11/10	Stryker Advanced Nailing & MIPO Techniques Dissection Course	Phoenix, AZ
01/10	AAOS/OTA Resident Trauma Course	San Diego, CA

#### LECTURES, PRESENTATIONS AND EXHIBITS

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03/13	Pifer, M; Maerz, T; Baker, K; Anderson. K. Matrix Metalloproteinase Content and Activity in PRP and Biologic Response to PRP by Human Ligament Fibroblasts. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting. Chicago, IL.
06/12	Pifer, M; Maerz, T; Baker, K; Anderson. K. Active Matrix Metalloproteinases (MMPs) in Platelet-rich Plasma (PRP) Modulate the Release of MMPs from Human Ligament Fibroblasts. Michigan Orthopaedics Society (MOS) Annual Meeting. Macinac Island, MI.
06/11	Pifer, M; Maerz, T; Baker, K; Anderson. K. Matrix Metalloproteinases (MMPs) in Platelet-Rich Plasma (PRP) and the Effect of PRP in Combination with Doxycycline and Simvastatin on Ligament Fibroblasts. Michigan Orthopaedics Society (MOS) Annual Meeting. Macinac Island, MI.
06/11	Pifer, M; Ashfaq,K; Jackson, A; Maerz, T; Baker, K; Anderson. K. Inter- and Intradepartmental Agreement in the Rating of Acromioclavicular (AC) Joint Dislocations: Orthopaedic Surgery, Emergency Medicine, and Musculoskeletal Radiology Compared. Michigan Orthopaedics Society (MOS) Annual Meeting. Macinac Island, MI.
02/11	Pifer, M; Maerz, T; Baker, K; Anderson. K. Matrix Metalloproteinases (MMPs) in Platelet-Rich Plasma (PRP) And the Effect of PRP in Combination with Doxycycline and Simvastatin on Ligament Fibroblasts. 2011 NFL Physicians Society Scientific Meeting. Indianapolis IN.
01/11	Pifer, M; Kibuule, L; Maerz, T; Baker, K C; Studzinski, D; Baker, K; Herkowitz, H. In Vitro Response of Human Chondrocytes to a Combination of Growth Factors and a Proteinase Inhibitor: Implications for Intervertebral Disc Regeneration. Orthopeadic Research Society (ORS) Annual Meeting. Long Beach, Ca.
02/11	Pifer, M; Kibuule, L; Maerz, T; Baker, K C; Studzinski, D; Herkowitz, H. Advanced Healing of the Intervertebral Disc using Anabolic Growth Factors and a Catabolic Inhibitor. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting. San Diego CA
06/10	Pifer, M; Kibuule, L; Maerz, T; Baker, K C; Studzinski, D; Baker, K; Herkowitz, H. Tissue Engineering of the Intervetebal Disc Unsing Anabolic and Catabolic Cytokine Combinations. Michigan Orthopaedic Society (MOS) Annual Meeting. Mackinac Island, MI.
04/10	Kibuule, L; Pifer, M; Maerz, T; Baker, K C; Studzinski, D; Baker, K; Herkowitz, H. Combining Anabolic Growth Factors and a Catabolic Inhibitor to Increase Extracellular Matrix Production in Chondrocytes for Lumbar Intervertebral Disc Cell Transplantation.. Lumbar Spine Research Society (LSRS). Chicago, IL. April 8 <sup>th</sup> , 2010