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Department of Orthopaedic Surgery • University of Cincinnati Academic Medical Center • College of Medicine

## **EDUCATION**

B.S. Loyola University Chicago, May 2004  
*Cum Laude*  
Major: Biology

M.D. University of Cincinnati College of Medicine, 2008

## **POST GRADUATE EDUCATION and TRAINING**

Residency Orthopaedic Surgery  
University of Cincinnati, May 2008 – June 2013

Fellowship Sports Medicine and Shoulder Reconstruction  
Hospital for Special Surgery, August 2013 – July 2014

## **ACADEMIC AND HOSPITAL APPOINTMENT**

Assistant Professor Department of Orthopaedic Surgery  
Division of Sports Medicine and Shoulder Reconstruction  
University of Cincinnati Academic Health Center, 2014-present

## **CERTIFICATIONS**

Orthopaedics American Board of Orthopaedics  
Board Certified, 2016

## **PROFESSIONAL SOCIETY MEMBERSHIPS**

Alpha Omega Alpha  
Gold Humanism Honor Society  
American Orthopaedic Association, Emerging Leader  
American Academy of Orthopaedic Surgeons, Candidate Member  
American Orthopaedic Society of Sports Medicine, Candidate Member  
American Shoulder and Elbow Society, Candidate Member  
Sigma Pi Fraternity International  
National Society of Collegiate Scholars

## **HONORS and AWARDS**

“Top Doctor”, Cincinnati Magazine, 2015  
“40 under 40” – Rising Medical Star, Venue Magazine, 2015  
Chief Resident Peer Award, University of Cincinnati, 2013  
Pediatric Orthopaedic Surgery Chief Resident of Year Award, Cincinnati Children’s Hospital, 2013  
Humanism & Excellence in Teaching Award, Gold Foundation, 2013

ORS/OREF/AAOS New Investigator Workshop, Baltimore MD, 2013  
DJ Frank Best Resident Thesis Award, University of Cincinnati, 2012  
American Orthopaedic Association, Resident Leadership Forum, 2012  
Alpha Omega Alpha Honor Society, 2007  
National Society of Collegiate Scholars, 2002  
Damen Scholarship, Loyola University Chicago, 2000-2004  
Dean's List (GPA  $\geq$  3.5) Loyola University Chicago, 2001-2004

## ADMINISTRATIVE SERVICE

Leadership/Fellowships Committee, ex-Officio, AOA, 2016-current  
Self-Assessment Committee, Member, AOSSM, 2015-current  
Associate Program Director, Residency Program, Dept. Orthopaedic Surgery, 2015-current  
Clinical Competency Committee, Dept. Orthopaedic Surgery, Faculty Representative, 2015-current  
Program Evaluation Committee, Dept. Orthopaedic Surgery, Faculty Representative, 2015-current  
Academic Faculty Committee, Dept. Orthopaedic Surgery, Faculty Representative, 2014-current  
Director of Medical Student Education, Dept. Orthopaedic Surgery, 2014-current  
Director of Research, Division of Sports Medicine, Dept. Orthopaedic Surgery, 2014-current  
AOA Emerging Leadership Forum, 2015, 2016  
AOA Resident Leadership Forum, 2013  
Resident Work Group, AAOS Subcommittee Candidate, Resident, & Fellow Committee, 2013  
AAOS Resident Liaison Program, Representative U. Cincinnati, 2011-2013  
Internal Review Committee, U. Cincinnati College of Medicine, Resident Member, 2013  
Orthopaedic Surgery Student Interest Group, Resident Advisor, 2009-2013  
American Medical Association, Past President of Medical Student Section, 2006  
Ohio State Medical Association, Past President of Medical Student Section, 2006  
Cincinnati Academy of Medicine, Past Medical Student Representative, 2006

## GRANTS

Arthroscopy Association of North America Research Grant  
*The effect of multipotent bone-marrow derived human mesenchymal stem cells on a rotator cuff repair model in an athymic rat: is regenerative healing possible?*  
PI: Russell Warren, MD  
Amount: \$24,000  
2014

OREF Resident Journal Club Grant Recipient  
Mentor: Dr. Keith Kenter  
Amount: \$5000  
Fall 2011

## PEER REVIEWED PUBLICATIONS

The Lateral Collateral Ligament Injury about the Knee: Anatomy, Evaluation, and Management  
Brian Grawe MD, Amanda Schroeder MD, Rafal Kakazu MD, Malynda Messer BS  
*Journal of American Academy of Orthopaedic Surgeons* In Press

The LG/J Murine Strain Exhibits Near-Normal Tendon Biomechanical Properties Following a Full-Length Central Patellar Tendon Defect  
Jessica R. Arble BS, Andrea L. Lalley PhD, Nathaniel A. Dymant PhD, Pujan Joshi, Dong-Guk Shin, Cynthia Gooch, **Brian Grawe MD**, David Rowe PhD & Jason T. Shearn PhD  
*Connective Tissue Research* Aug 2016 [Epub ahead of print]

Can Preoperative MRI Adequately Predict Hamstring Diameter for ACL Reconstruction  
**Brian Grawe MD**, Phillip Williams MD, Alissa Burge MD, Marcia Voigt BS, Joe Nguyen PhD, David Altchek MD, Jo Hannafin MD, Answorth Allen MD  
*Orthopaedic Journal of Sports Medicine* 4(5), May 2016

Staged Bilateral Total Shoulder Arthroplasty: Improved Outcomes with Less than 6 Months between Surgeries  
Peter D. Fabricant MD/MPH, Chris Chin BA, **Brian Grawe MD**, Joshua Dines MD, Edward Craig MD/MPH, David Dines MD  
*Journal of Shoulder and Elbow Surgery* Jun 2016 [Epub ahead of print]

Outcomes Following Isolated MPFL Reconstruction for the Treatment of Recurrent Lateral Patellar Dislocation: A Systematic Review and Meta-Analysis

Daniel Schneider BS, Brian Grawe MD, Robert Magnussen MD, Adrick Ceasar MS, Shital Parikh MD, Eric Wall MD, Angelo Colosimo MD, Christopher Kaeding MD, Gregory Myer PhD  
*American Journal of Sports Medicine* Feb 12 2016 [Epub ahead of print]

Revers Total Shoulder Arthroplasty and Work-Related Outcomes

Grant Garcia MD, Sam Taylor MD, Brian DePalma BS, Greg Mahony BS, **Brian Grawe MD**, Joseph Nguyen PhD, Joshua Dines MD, David Dines MD, Russell Warren MD, Edward Craig MD, Lawrence Gulotta MD  
*Orthopedics* 22:1-6, Jan 2016

Clinical Outcomes After Suture Anchor Repair of Recalcitrant Medial Epicondylitis

**Brian Grawe MD**, Peter D. Fabricant MD/MPH, Christopher Chin BS, Answorth Allen MD, Brian DePalma BS, David Dines MD, David Altchek MD, Joshua Dines MD  
*Orthopedics* 1;39(1)e104-107, Jan 2016

Patient Activity Levels After Reverse Total Shoulder Arthroplasty: What are Patients Doing?

Grant Garcia MD, Sam Taylor MD, Brian DePalma BS, Greg Mahony BS, **Brian Grawe MD**, Joseph Nguyen PhD, Joshua Dines MD, David Dines MD, Russell Warren MD, Edward Craig MD, Lawrence Gulotta MD  
*American Journal of Sports Medicine* 43(11):2816-2821, November 2015

Tibial Tubercle Osteotomy: Indications and Techniques

**Brian Grawe MD**, Beth Shubin-Stein MD  
*The Journal of Knee Surgery* 28(4):279-284, August 2015

Avoiding Graft-Tunnel Length Mismatch in Anterior Cruciate Ligament Reconstruction: The Single-Bone Plug Technique

**Brian Grawe MD**, Amber Smerina PAC, Answorth Allen MD  
*Arthroscopy Techniques* 3(3):e417-420, June 2014

Structural and Biomechanical Responses of Osseous Healing: A Novel Murine Nonunion Model

**Brian Grawe MD\***, Aditya Chaubey PhD\*, Jeff Meganck, Nat Dymont, Jason Inzana, Xi Jiang, Camille Connolley MD, Hani Awad, David Rowe PhD, Keith Kenter MD, Steve Goldstein PhD, David Butler PhD \*denotes equal contribution  
*Journal of Orthopaedics and Traumatology* 14(4):247-257, December 2013

Perioperative Risks Associated with the Operative Treatment of Clavicle Fractures

Albert d'Heurle MD, Toan Le MD, **Brian Grawe MD**, E. Christopher Casstevens MD, Jonathan Edgington BA, Michael T Archdeacon MD, John Wyrick MD  
*Injury* 44(11):1579-1581, November 2013

Functional results of the Darrach procedure for post-traumatic DRUJ dysfunction following a distal radius fracture: a long-term outcome study

**Brian Grawe MD**, Carrie L Heincelman MD, Peter J Stern MD  
*Journal of Hand Surgery (Am)* 37(12):2475-2480, December 2012

Hybrid Plating Technology: Current Concepts and Review

Namdar Kazemi MD, **Brian Grawe MD**, Toan Le MD  
*Current Orthopaedic Practice* 23(5):486-491, September/October 2012

Fracture Fixation with Two Locking Screws versus Three Non-locking screws: A Biomechanical Comparison in a Normal and an Osteoporotic Bone Model.

**Brian Grawe MD**, Toan Le MD, Scott Williamson BS, Michael T Archdeacon MD and Lyle Zardiackas PhD  
*Bone and Joint Research* 1: 118-124, June 2012

Open reduction and internal fixation (ORIF) of complex 3- and 4-part fractures of the proximal humerus: Does age really matter?

**Brian Grawe MD**, Toan Le MD, Thomas Lee BS, John D Wyrick MD  
*Geriatric Orthopaedic Surgery & Rehabilitation* 3(1): 27-32, March 2012

Hallux Valgus Interphalangeus Deformity: A Report of 3 Cases in the Pediatric Population

**Brian Grawe MD**, Shital Parikh MD, Alvin H. Crawford MD, FACS, Junichi Tamai MD  
*Foot and Ankle Surgery* 18:4-8, August 2011

Resection Arthroplasty of the Lesser Metatarsophalangeal Joint for Correction of Severe Complex Hammertoe  
**Brian Grawe MD**, James Amis MD  
*Techniques in Foot & Ankle Surgery* 10(1):40-46, March 2011

#### **NON-PEER REVIEWED PUBLICATIONS**

Elbow Injuries in the Tennis Player: A Concise Review  
**Brian Grawe MD**, David Dines MD, Josh Dines MD  
*Aspetar Sports Medicine Journal* Volume 3 – Targeted Topic – Sports Medicine in Tennis, October 2014

#### **PAPER PRESENTATIONS**

Patellar Chondral Defects Treated with Particulated Juvenile Articular Allograft Cartilage: An MRI Analysis  
International Cartilage Research Society, Annual Meeting, 2016

Can Preoperative MRI Adequately Predict Hamstring Diameter for ACL Reconstruction  
American Academy of Orthopaedic Surgeons, Annual Meeting, 2015

Contrasting Structural and Biomechanical Responses of Sub-critical and Critical Defects on the Bone Healing Capacity in Murine Femoral Defect Injury of a Femoral Murine Non-Union Model  
Mid-America Orthopaedic Association, Annual Meeting, 2012

Long Term Follow Up of the Darrach Procedure  
28<sup>th</sup> Annual Tri-State Hand Conference, 2012  
American Society for Surgery of the Hand, Annual Meeting, 2012

#### **POSTER PRESENTATIONS**

Clinical Outcomes following Total Shoulder Arthroplasty: A Comparison of Two Systems  
American Academy of Orthopaedic Surgeons, Annual Meeting, 2017

Contrasting Sub-critical and Critical Murine Femoral Defects:  
A Non-union Injury model in a DT-Col1/Col2 Mouse  
Orthopaedic Research Society 2012

A Preliminary Report on the MRL Mouse as a Model for Osseous Regeneration  
Orthopaedics Research Society 2013

#### **BOOK CHAPTERS**

The Unstable Shoulder Arthroplasty: Options and Approach to Treatment  
**Brian Grawe MD**, Frank Cordasco MD  
In: *Advanced Reconstruction Shoulder 2*  
AAOS, 2015

The Biology of Anterior Cruciate Ligament Graft Healing  
**Brian Grawe MD**, Fumitaka Sugiguchi BS, Asheesh Bedi MD, and Scott Rodeo MD  
In: *Noyes' Knee Disorders: Surgery, Rehabilitation, Clinical Outcomes*  
Elsevier, 2015

Technique: Distal Realignment Tibial Tubercle Osteotomy  
**Brian Grawe MD**, Jacqueline Munch MD, Beth Shubin-Stein MD  
In: *Knee Surgery for the Pediatric and Adolescent Athlete*  
Lippincott Williams, 2015

The Role of Biologics in Meniscal Allograft Transplantation  
**Brian Grawe MD**, Scott Rodeo MD  
In: *Comprehensive Review in Meniscus Preservation*  
DJO, 2015

History and Physical Exam on the Thrower's Elbow

William Piwnica-Worms, **Brian Grawe MD**, Joshua Dines MD  
In: Elbow Ulnar Collateral Ligament Injury  
Springer, 2015

SLAP Lesion: Part I Pathophysiology and Diagnosis  
**Brian Grawe MD**, Asheesh Bedi MD, Answorth Allen MD  
In: Sports Injuries to the Shoulder and Elbow  
Springer, 2015

Irreparable Rotator Cuff Tears – Putting it All Together  
**Brian Grawe MD**, Lawrence Gulotta MD  
In: Massive Rotator Cuff Tears  
Springer, 2015

### **Reviewer / Editor Responsibilities**

American Journal of Sports Medicine  
Journal of Bone and Joint Surgery – Invited Guest Editor, Sports Medicine Section

### **TEAM COVERAGE**

Director of Player Medical Services, Western Southern Open Tennis Tournament, 2014-current  
Head Team Physician, FC Cincinnati, 2016-current  
Head Team Physician, University of Cincinnati Women's Soccer, 2015-current  
Medical Director, Thanksgiving Day Race, Cincinnati OH, 2016-current  
Assistant Team Physician, Cincinnati Cyclones, 2014-current  
Loveland High School, Team Physician, 2015-current  
Campbell County High School, Team Physician, 2009-current