

BENJAMIN B. CLIPPINGER, M.D.

EDUCATION

Tufts Combined Hand Fellowship	Boston, MA	8/2019 – 7/2020
Einstein Healthcare Network Orthopaedic Residency	Philadelphia, PA	7/2014 – 6/2019
Stony Brook University School of Medicine Medical Doctorate	Stony Brook, NY	7/2010 – 5/2014
Harvard University Post-Baccalaureate	Cambridge, MA	9/2007 – 5/2009
Skidmore College Bachelors of Science in Exercise Science	Saratoga Springs, NY	9/2002 – 5/2006
• Departmental Honors		
• Academic All-American & Varsity Lacrosse Athlete		

Licensure and Exams

Medical License		
PA State Board of Medicine MD459471		10/2016 – 2/2020
MA State Board of Medicine 278414		4/2019 – 9/2021
Controlled Substance Registration Certificate (DEA) FC6391368		10/2016 – 8/2019
Advanced Trauma Life Support (ATLS) certification		1/2014
Advanced Cardiac Life Support (ACLS)/Basic Life Support (BLS)		2/2019
United States Medical Licensing Exam		
Step 1	Pass	6/2012
Step 2 CK	Pass	7/2013
Step 2 CS	Pass	7/2013
Step 3:	Pass	9/2014

GRANTS & RESEARCH

Einstein Quality Improvement and Patient Safety Seed Grant	Philadelphia, PA	2017
<i>\$10,000 grant to evaluate infection rates and clinical outcomes in total joint arthroplasty</i>		
• Optimization of modifiable risk factors such as nutrition for periprosthetic joint infections		
Hand Society Grant/ Einstein Society Seed Grant	Philadelphia, PA	2016
<i>\$35,000 grant for the Biomechanical Evaluation of the DRUJ after Distal Oblique Bundle Reconstruction: A Comparison of Two Techniques.</i>		
• Biomechanical comparison of standard vs. novel DRUJ reconstruction technique		
Albert Einstein Society Grant	Philadelphia, PA	2016
<i>\$35,000 grant awarded for "Measuring Bone and Grip Strength in a Pristane-Induced Lupus Murine Model"</i>		
• Establishing a murine model to test bone and grip strength in lupus		
Albert Einstein Society Physician Seed Grant	Philadelphia, PA	2015
<i>\$5,500 grant awarded for "Local Effects of Vancomycin Powder on Epidural Fibrosis"</i>		
• Murine laminectomy model examining local effects of vancomycin powder on epidural fibrosis		
Stony Brook School of Medicine	Stony Brook, NY	05/2011 – 07/2011
<i>MD with recognition in research student, Dr. Todd Rosengart's Arteriogenesis Lab</i>		
• Rat echocardiograms, exercise testing and monocyte migration assays		
Massachusetts General Hospital	Cambridge, MA	07/2008 – 06/2010
<i>Research Assistant, Joseph Vacanti's Lab, Tissue Engineering</i>		
• Cell culture, animal surgery, western blot protein assay, grant preparation for lung and pancreas engineering projects with Dr. Harald Ott and Dr. Claudius Conrad		
Cambridge Hospital	Cambridge, MA	09/2009 – 05/2010
<i>Research Assistant, Emergency Department</i>		

- Emergency department patient survey and data acquisition to examine the affordability and accessibility of the Massachusetts health care reform in a safety net hospital

Undergraduate Thesis Saratoga Springs, NY 2009
Sprint interval exercise and insulin sensitivity

- Led thesis team in phase one of a two-year study: An acute bout of endurance exercise but not sprint interval exercise enhances insulin sensitivity

Skidmore College Saratoga Springs, NY 05/2005 – 08/2005
Research Assistant, Summer Collaborative Grant with Dr. Paul Arciero

- Full-time position involving biochemical analysis of blood samples examining the effect of meal frequency and macronutrient composition on risk factors for cardiovascular and metabolic disease

PUBLICATIONS

Effects of Vancomycin Powder on Epidural Fibrosis in a Murine Model.

Benjamin Clippinger, Michael Narvaez, Mark Ayzenberg, Dillon Arango, John Handal, Joshua Pahys. Orthopedic Reviews. 10:7777 (2018)

Biomechanical Analysis of Four External Fixation Pin Insertion Techniques. Arango D, Tiedeken N, **Clippinger B**, Saldanha V, Solomon P, Shaffer G. Orthopedic Reviews. Orthopedic Reviews. 9: 7067 (2017)

A Novel technique for the bedside reduction of the posterior hip dislocation

Mark Ayzenberg, Dillon Arango, **Benjamin Clippinger**, Minn Saing. Techniques in Orthopaedics. Feb. 8, 2017

Regeneration and orthotopic transplantation of a bioartificial lung.

Harald C Ott, **Ben Clippinger**, Claudius Conrad, Christian Schuetz, Irina Pomerantseva, Laertis Ikononou, Darrell Kotton, Joseph P Vacanti. Nature Medicine 16, 927-933 (13 July 2010) doi:10.1038/nm.2193
 Technical Report

An acute bout of endurance exercise but not sprint interval exercise enhances insulin sensitivity

Jonathan R. Brestoff, **Benjamin Clippinger**, Thomas Spinella, Serge P. von Duvillard, Bradley Nindl, Paul J. Arciero. (2009) Applied Physiology, Nutrition, and Metabolism. 34(1), 25-32 (2009)

POSTERS

The One-Bone Forearm in Children.

Benjamin Clippinger, Benjamin Plucknette, Scott Kozin, Dan Zlotolow. American Association for Hand Surgery. January 2019.

Outcomes of Knee to Capitellum Osteochondral Autograft Transplantation in Pediatric Patients with Osteochondritis Dissecans of the Capitellum.

Benjamin Clippinger, Mark Ayzenberg, Emily Slate, Scott Kozin and Dan Zlotolow. American Society for Surgery of the Hand. September 2018 & American Association for Hand Surgery. January 2019.

3D Printed Upper Extremity Fracture Models as an Avenue for Resident Education.

Dillon Arango. Benjamin Clippinger, Katherine Wozzley. American College of Surgeons Clinical Congress Poster October 2017.

Utilization of a Knot Pusher Increases Knot Security for Sliding and Static Knots. Narvaez M, Arango D, **Clippinger B**, Sweitzer B, 5/17/17 . Einstein Healthcare Network. Philadelphia, PA.

Bone Strength after Pristane-Induced Lupus and Corticosteroid Treatment: a Murine Model.

Narvaez M, **Clippinger B**, Arango D, Solomon P, Reola M, Handal J. 5/17/17. A Einstein Healthcare Network. Philadelphia, PA.

Local Effects of Vancomycin Powder: A Rat Model. **Clippinger B**, Narvaez M, Arango D, Handal J, Pahys J, Minimo C. 5/17/17. Einstein Healthcare Network. Philadelphia, PA.

Severely Erosive Tophaceous Gout: A Rare Presentation of a Common Disease. Ayzenberg M, Arango D, Narvaez M, **Clippinger B**. 5/26/16. Einstein Healthcare Network. Philadelphia PA.

Pyogenic Flexor Tenosynovitis with Subsequent Proximal Involvement of the Forearm in a Chronically Immunosuppressed Patient. Narvaez M, **Clippinger B**, Tiedeken N, Saing M, Shaffer G. 5/26/15. Einstein Healthcare Network. Philadelphia PA.

Fat Emboli Syndrome. **Clippinger B**, Narvaez M, Tiedeken NC, Williamson C, Williams, E. 5/26/15. Einstein Healthcare Network. Philadelphia PA.

Endocrine Pancreas Tissue Engineering. Conrad C, Schuetz C, **Clippinger B**, Vacanti JP, Markmann JF, Ott HC. 02/24/2009. Massachusetts General Hospital Research Day. Boston MA

Endocrine Pancreas based on Decellularized Pancreatic Matrix with Mesenchymal Stem Cells and Islet Cells Co-culture. Conrad C, Schuetz C, **Clippinger B**, Vacanti JP, Markmann JF, Ott HC. 12/5/2009. MA Chapter of the American College of Surgeons. Boston MA

Lung Regeneration Based on Perfusion-Decellularized Whole Organ Scaffolds. Harald C Ott, **Ben Clippinger**, Claudius Conrad, Christian Schuetz, Irina Pomerantseva, Laertis Ikonou, Darrell Kotton, Joseph P Vacant. 12/5/2009. MA Chapter of the American College of Surgeons. Boston MA

IN PROGRESS

The One-Bone Forearm in Children. **Benjamin Clippinger**, Benjamin Plucknette, Francisco Soldado, Blake Turvey, Sergi Barrera-Ochoa, Scott Kozin, Bryan Loeffler, Dan Zlotolow. JHS

Outcomes of Osteochondral Autograft Transplantation in Pediatric Patients with Osteochondritis Dissecans of the Capitellum. **Benjamin Clippinger**, Mark Ayzenberg, Emily Slate, Scott Kozin, Dan Zlotolow.

Biomechanical Evaluation of the DRUJ after Distal Oblique Bundle Reconstruction: A Comparison of Two Techniques. Sara Low, **Benjamin Clippinger**, Germanuel Landfair, Katharine Criner-Woozley, James Raphael. JHS

Predictors of Septic Wrist. A Dual-Center evaluation 10 Year Review of Risk Factors. John Jennings, Elizabeth Zielinski, Rick Tosti, Sara Low, **Benjamin Clippinger**, Germanuel Landfair, Katharine Woozley, Asif Ilyas. (2019) Journal of Hand and Microsurgery

EDUCATIONAL COURSES/ MEETINGS

Johnson & Johnson Pre-fellowship Workshop Hand Surgery	Palm Beach, FL	7/2019
Zimmer Biomet Residents Trauma Course	Miami, FL	12/2018
AO Trauma North America: Hand & Wrist Fracture Management	Philadelphia, PA	5/2018
Pediatric Orthopaedic Society of North America Annual Meeting,	Orlando, FL	2017
Eastern Orthopaedic Association Annual Meeting	Miami Beach, FL	2017
American Society for Surgery of the Hand	Boston, MA	2018
	San Francisco, CA	2017
American Orthopaedic Foot & Ankle Society Annual Meeting		
Resident Scholarship	Seattle, WA	2017
Arthroscopy Assoc. of North America: Fundamentals in Arthroscopy	Rosemont, IL	2017
Memorial Sloan Kettering MSK Tumor Pathology	New York, NY	2015
AO Trauma Course – Basic Principles of Fracture Management	Charlotte, NC	2015

WORK EXPERIENCE

Stratton Mountain Urgent Care Carlos Otis Clinic	Stratton, VT	02/2014 – 03/2014
<i>Medical Student Rotation in orthopaedic and general medical care in a rural mountain clinic</i>		
Master Personal Trainer, Town Sports International	Allston, MA	03/2007 – 06/2010
National Strength & Conditioning Association – Certified Strength and Conditioning Specialist		
National Academy of Sports Medicine – Certified Personal Trainer		
<i>Regionally recognized for work with cancer survivor, obese type II diabetic and Boston marathon runner status post stroke</i>		
Stratton Mountain Ski Patrol	Stratton, VT	2005 – 2006
<i>Ski Patroller, Certified EMT-B</i>		

PRESENTATIONS

American Society for Surgery of the Hand Annual Meeting		
AFSH Grant Update Presentation	San Francisco, CA	2017
<i>A Biomechanical Evaluation of the DRUJ after Distal Oblique Bundle Reconstruction</i>		
Einstein Healthcare Network Resident Research Award		
Podium Presentation	Philadelphia, PA	2017
<i>Vancomycin Powder and Epidural Fibrosis in a Murine Model</i>		
Eastern Orthopaedic Association Annual Meeting		
Podium Presentation	Miami Beach, FL	2017
<i>Vancomycin Powder and Epidural Fibrosis in a Murine Model</i>		
National American College of Sports Medicine Annual Meeting		
Podium Presentation	Denver, CO	2006
<i>Meal frequency and macronutrient composition</i>		

LEADERSHIP AND AWARDS

Resident Teaching Award		
Einstein Healthcare Network	Philadelphia, PA	2018 & 2019
1 st Place All-Institution Research Competition, " <i>A Murine Lupus Model</i> "		
Einstein Healthcare Network	Philadelphia, PA	2017
Outstanding Orthopaedic Research, " <i>A Murine Lupus Model</i> "		
Department of Orthopaedics	Philadelphia, PA	2017
2 nd Place All-Institution Research Competition, " <i>Vancomycin Powder and epidural fibrosis</i> "		
Einstein Healthcare Network	Philadelphia, PA	2017
Outstanding Orthopaedic Research, " <i>Vancomycin Powder and epidural fibrosis</i> "		
Department of Orthopaedics	Philadelphia, PA	2017
Albert Einstein Orthopaedic "Wylie Vein Award" for Hard Work		2016
Department of Orthopaedics	Philadelphia, PA	
Stony Brook School of Medicine		
Surgery Club & Outdoor Club President	Stony Brook	2013
American College of Surgeons Research Award	Boston, MA	2009
<i>Human Pancreatic Islet Cells in a Murine Extracellular Scaffold</i>		
American College of Surgeons Research Award	Boston, MA	2009
<i>Lung Regeneration of Decellularized Murine Scaffolds</i>		
Skidmore College Varsity Lacrosse	Saratoga Springs, NY	2002 - 2006
Three Time Academic All-American		
Skidmore College Periclean Honor Society	Saratoga Springs, NY	2006

VOLUNTEER EXPERIENCE

Blanca's House Surgical Mission	Riobamba, Ecuador	2013
• Plastic and orthopedic surgery for the underserved. Treatments included cleft palate/lip repair, burn reconstruction and orthopaedic care		
Tri-State Trek for Amyotrophic Lateral Sclerosis	Boston, MA	2007-2011
• Led a charity cycling team from Boston to New York for five consecutive years during which we raised & donated \$40,000 for ALS research		

INTERESTS

- Cycling, skiing, golfing, surfing, Lacrosse and cooking
- Played collegiate varsity lacrosse all four years, biked U.S. coast-to-coast (3200mi) and completed over twelve century (100-mile) rides. Lived in Aspen, CO and earned a ski pass hiking the Highland's Bowl as part of avalanche control and snow safety with the ski patrol.