

MATTHEW S. CONTI, M.D.

PROFESSIONAL TRAINING

Hospital for Special Surgery, New York, NY June 2016 – Present
Resident, Orthopaedic Surgery

EDUCATION

Weill Cornell Medical College, New York, NY August 2012 – May 2016
M.D. Degree with Honors in Research

University of Notre Dame, Notre Dame, IN August 2007 – May 2011
summa cum laude
Bachelor of Arts, Economics and Pre-Professional (Pre-Medical) Studies
Undergraduate Economics Honors Program

University of Oxford, New College, Oxford, UK October 2009 – June 2010
Program of Study: Economics

PROFESSIONAL SOCIETIES

American Orthopaedic Foot and Ankle Society (AOFAS), Young Physicians Committee
July 2018 – September 2020

- Chair: Podcast Task Force
- Member: Internal Branding Task Force, Resident Scholar Program Task Force, Oral Boards Task Force
- Liaison: Postgraduate Education and Training Committee

International Weight Bearing Computed Tomography (WBCT) Society
Member, September 2019 - Present

HONORARY SOCIETIES

Member, Alpha Omega Alpha
Member, Phi Beta Kappa
Member, Omicron Delta Epsilon (Economics Honor Society)

AWARDS IN ORTHOPAEDICS

2019 American Academy of Orthopaedic Surgeons (AAOS) Resident Advocacy Fellowship

Sponsored by the AAOS, the resident advocacy fellowship appoints two residents each year to encourage participation in health policy and advocacy.

- Currently developing an advocacy podcast in line with the 2019-2023 AAOS Strategic Plan in order to keep orthopaedic surgeons up-to-date with the current legislative landscape.

2018 American Orthopaedic Foot and Ankle Society (AOFAS) Resident Scholarship

Established to provide an opportunity for orthopaedic surgery residents to attend the AOFAS Annual Meeting and learn from leaders in the foot and ankle field.

2016 T. Campbell Thompson Prize for Excellence in Orthopedic Surgery

Established to recognize Dr. Thompson for his interest in teaching and leadership in the field of orthopedic surgery. Dr. Thompson was Surgeon-in-Chief of the Hospital for Special Surgery from 1955 to 1963. The prize is awarded to the member of the graduating class who has shown greatest proficiency in orthopedic surgery.

2014 American Orthopaedic Foot and Ankle Society (AOFAS) J. Leonard Goldner Award

Established in 1998, the J. Leonard Goldner Award is given in recognition of the outstanding basic science paper presented at the AOFAS Annual Meeting.

- Conti MS, Chan JY, Do HT, Ellis SJ, and Deland JT. "Correlation of Postoperative Midfoot Position with Patient Outcomes Following Reconstruction of the Stage II Adult Acquired Flatfoot Deformity." *Foot and Ankle International*, 36(3), March 2015, 239-247.

AWARDS IN MEDICINE**2016 Clarence C. Coryell Prize in Surgery**

Endowed by a bequest from Dr. Coryell, who graduated from the medical college in 1903. The prize is awarded to the student who attains the highest performance in surgery during the third and fourth years.

2012 – 2013 Hermann Biggs Health Policy Fellowship

The Hermann Biggs Health Policy Fellowship provides graduate students with an opportunity to interact and network with members of the Hermann Biggs Society who are state leaders in health policy and public health.

WORK EXPERIENCES**Hospital for Special Surgery Medical Student Advisory Committee, New York, NY** June 2016 - Present
Member

- Developed orthopaedic educational programs in the bioskills laboratory for medical students
- Engaged with medical students in order to promote the specialty of orthopaedic surgery

Weill Cornell Medical College Orthopedics Interest Group, New York, NY August 2013 – August 2014
Co-President

- Coordinated a lecture presentation with then surgeon-in-chief Dr. Thomas Sculco to speak to incoming first-year medical students about the Hospital for Special Surgery
- Organized sessions about orthopaedics residency matching, lifestyle, and research opportunities at the Hospital for Special Surgery

Medical Student Executive Council, New York, NY October 2012 – October 2013
Athletics Representative

- Served as a liaison between medical students and the administration in order to upgrade the facilities, organize gym events, and provide wellness programs

Weill Cornell Medical College LEAP Program, New York, NY August 2012 – May 2016
Participant

- Helped patients with chronic medical diseases navigate the health care system
- Participated in direct, longitudinal, and monthly patient encounters by accompanying patients to medical appointments and/or hospitalizations
- Mentored first- and second-year medical students entering the program

ZS Associates, Philadelphia, PA

August 2011 – July 2012

Business Associate

- Analyzed data of sales forces and conducted market research at a global management consulting firm that specializes in pharmaceutical and medical product practice areas in order to gain a broad overview of U.S. health care
- Assisted in the formation of marketing and business development strategies for large pharmaceutical companies

Wisconsin Department of Health Services, Milwaukee / Madison, WI

July 2010

Intern

- Researched staff workload at family practice clinics associated with the University of Wisconsin – Madison School of Medicine and Public Health
- Assisted in and observed the operation of the tuberculosis and sexually transmitted disease programs at a public health clinic in Milwaukee, WI for low-income residents

VOLUNTEER EXPERIENCES**Our Hearts to Your Soles, Ingomar, PA**

September 2004 – Present

Founder

- Established a non-profit organization that has issued more than \$3 million in footwear and provided free medical care to over 40,000 men and women in need across 40 states in the United States. For more information, visit www.heartstosoles.com
- Develop relationships with industry partners in order to supply each site with new shoes and socks as well as managed the logistical aspects of organization's activities
- Solicit monetary donations each year to maintain the charity

Weill Cornell Youth Scholars Program, New York, NY

July 2013

Anatomy Lab Tutor

- Taught musculoskeletal anatomy through lecture presentations and laboratory sessions to high school juniors and seniors who have an interest in pursuing studies in science and medicine

Notre Dame Men's Boxing Club, South Bend, IN

October 2007 – March 2008

Boxer

- Trained daily under the instruction of upperclass coaches
- Fought in the Bengal Bouts Boxing Tournament against 15 other boxers in my weight class and advanced to the tournament finals

RESEARCH EXPERIENCES**HSS Medical Student Summer Research Fellowship, New York, NY**

June 2013 – August 2013

Fellow for Dr. Jonathan Deland, Co-Chief of the Foot and Ankle Service at the Hospital for Special Surgery

- Established a database of patients who underwent flatfoot reconstruction by two different surgeons at the Hospital for Special Surgery
- Helped to obtain radiographic measurements, develop the statistical methods used, and analyze data for midfoot and hindfoot research projects on stage II adult-acquired flatfoot deformity patients resulting in two presentations and two published papers

Weill Cornell Medical College, New York, NY

July 2012 – August 2013

Research Assistant

- Performed measurements of articular pillars on CT reconstructions of C3 - C6 cervical vertebrae in order to investigate the reliability of CT scans in pre-operative surgical planning for lateral mass screws

Weill Cornell Medical College / Hospital for Special Surgery, New York, NY September 2012 – March 2013

Research Assistant

- Created a database of fellowship training for orthopaedic surgeons in New York state used in knee arthroscopy research, which focused on the effect of randomized controlled trials on surgical practice

Department of Economics, Notre Dame, IN

August 2010 – May 2011

Senior Honors Thesis

- Conducted research focused on the effect of disease management programs on health care utilization
- Compared costs and number of emergency admissions between states that had and had not implemented Medicaid disease management programs using data from the Agency for Health Care Research and Quality

Eli Lilly & Co. Research and Development, Indianapolis, IN

May 2009 – August 2009

Research Intern

- Improved and refined the synthesis of a drug intended to treat Alzheimer's Disease and presented oral and written results to senior Lilly scientists
- Attended business symposia on the changing health care industry led by Lilly executives

RESEARCH FUNDING

Hospital for Special Surgery Surgeon-in-Chief Grant

Amount: \$10,000

Grant Period: October 15, 2019 to October 14, 2020

Conti MS, Day J, Carrino J, Deland JT, and Ellis SJ. "Predicting Failure of Reconstruction of the Stage II Adult-Acquired Flatfoot Deformity based on Preoperative Subtalar Valgus and Subfibular Impingement."

Orthopaedic Research and Education Foundation (OREF) Resident Grant

Amount: \$4,500

Grant Period: February 15, 2018 to February 14, 2019

Conti MS, Penny C, Dodwell E, Blanco J, and Scher D. "The Effect of Medial-Sided Procedures on Reconstruction of the Adolescent Idiopathic Flatfoot: A Prospective Clinical Trial."

Hospital for Special Surgery Surgeon-in-Chief Grant

Amount: \$10,000

Grant Period: August 15, 2017 to August 15, 2019

Conti MS, Penny C, Dodwell E, Blanco J, and Scher D. "The Effect of Medial-Sided Procedures on Reconstruction of the Adolescent Idiopathic Flatfoot: A Prospective Clinical Trial."

PUBLICATIONS

Peer-Reviewed Journal Articles/Abstracts in Orthopaedics

1. Ellis SJ and Conti MS. "Weightbearing CT Scans in Foot and Ankle Surgery." Submitted to the *Journal of the American Academy of Orthopaedic Surgeons*.
2. Conti MS, MacMahon A, Ellis SJ, and Cody EA. "The Modified Lapidus Procedure for Hallux Valgus Leads to Decreased Foot Width." Accepted to *Foot and Ankle International*.

3. Conti MS, Willett JF, Garfinkel JH, Miller MC, Costigliola SV, Elliott AJ, Conti SF, and Ellis SJ. "The Modified Lapidus Procedure is an Effective Tool to Change Pronation of the First Ray in Patients with Hallux Valgus." Accepted to *Foot and Ankle International*.
4. Conti MS, Garfinkel JH, and Ellis SJ. "Outcomes of Reconstruction of the Flexible Adult Acquired Flatfoot Deformity." *Orthopedic Clinics of North America*, 51(1), January 2020, 109-120.
5. Conti MS, Garfinkel JH, Kunas GC, Deland JT, and Ellis SJ. "Postoperative Medial Cuneiform Position is Correlated with Patient-Reported Outcomes following Cotton Osteotomy for Reconstruction of the Stage II Adult Acquired Flatfoot Deformity." *Foot and Ankle International*, 40(5), May 2019, 491-498. *Chosen as lead article and podcast for this issue of Foot and Ankle International*.
6. Conti MS, Savenkov A, and Ellis SJ. "Peripheral Vascular Disease is Associated with Increased Risk of Acute Postoperative Infection and Failure of Total Ankle Replacements." *Foot and Ankle Orthopaedics*, 4(2), April-June 2019, 1-7.
7. Conti MS, Kleeblad LJ, Jones CW, Pearle AD, and Sculco PK. "Distal Femoral Rotation is not Associated with Preoperative Proximal Tibial Varus Angle: Implications for Total Knee Arthroplasty." *The Journal of Arthroplasty*, 34(2), February 2019, 281-285.
8. Conti MS, Jones M, Savenkov A, Deland JT, and Ellis SJ. "Outcomes of Reconstruction of the Stage II Adult Acquired Flatfoot Deformity in Older Patients." *Foot and Ankle International*, 39(9), September 2018, 1019-1027. *Chosen as lead article and podcast for this issue of Foot and Ankle International*.
9. Cody EA, Kraszewski AP, Conti MS, and Ellis SJ. "Lateralizing Calcaneal Osteotomies and Their Effect on Calcaneal Alignment: A Three-Dimensional Digital Model Analysis." *Foot and Ankle International*, 39(8), August 2018, 970-977.
10. Ghomrawi H, Marx R, Pan T, Conti MS, and Lyman S. "The Effect of Negative Randomized Trials and Surgeon Volume on the Rates of Arthroscopy for Patients with Knee OA." *Contemporary Clinical Trial Communications*, 9, March 2018, 40-44.
11. Degen RM, Conti MS, Camp CL, Altchek DW, Dines JS, and Werner BC. "Epidemiology and Disease Burden of Lateral Epicondylitis in the USA: Analysis of 85,318 Patients." *HSS Journal*, 14(1), February 2018, 9-14.
12. Conti MS, Ellis SJ, and Deland JT. "Stage IIB Flatfoot Reconstruction using Literature Based Equations for Heel Slide and Lateral Column Lengthening." *Techniques in Foot and Ankle Surgery*, 16(4), December 2017, 153-166.
13. Conti MS, Camp CL, Elattrache NS, Altcheck DW, and Dines JS. "Treatment of the Ulnar Nerve for Overhead Throwing Athletes Undergoing Ulnar Collateral Ligament Reconstruction." *World J Orthop*, 7(10), October 2016, 650-656.
14. Camp CL, Conti MS, Sgroi T, and Frank P. "Epidemiology, Treatment, and Prevention of Lumbar Spine Injuries in Major League Baseball Players." *Am J Orthop (Belle Mead NJ)*, 45(3), March-April 2016, 137-143.

15. Conti MS, Ellis SJ, Chan JY, Do HT, and Deland JT. "Optimal Position of the Heel Following Reconstruction of the Stage II Adult Acquired Flatfoot Deformity." *Foot and Ankle International*, 36(8), August 2015, 919-927.
16. Conti MS, Chan JY, Do HT, Ellis SJ, and Deland JT. "Correlation of Postoperative Midfoot Position with Patient Outcomes Following Reconstruction of the Stage II Adult Acquired Flatfoot Deformity." *Foot and Ankle International*, 36(3), March 2015, 239-247.
17. Marchessault J, Conti MS, and Baratz ME. "Carpal Fractures in Athletes Excluding the Scaphoid." *Hand Clinics*, 25(3), August 2009, 371-388.

Book Chapters in Orthopaedics

1. Conti MS, Garfinkel J, and Ellis SJ. "Chapter 43: Reconstructions for Adult Acquired Flatfoot." *Foot and Ankle Biomechanics*. In press.

Oral Presentations in Orthopaedics

1. Conti MS, Jones M, Nguyen J, Deland JT, and Ellis SJ. "Outcomes of Reconstruction of the Stage II Adult Acquired Flatfoot Deformity in Older Patients." Podium presentations at the American Academy of Orthopaedic Surgeons Annual Meeting and American Orthopaedic Foot and Ankle Society Specialty Day in New Orleans, Louisiana, March 2018. *Abstract published in Foot and Ankle Orthopaedics*, 3(2), June 2018.
2. Saunders SM, Ellis SJ, Marinescu AG, Conti MS, Demetracopoulos CA, and Deland JT. "Outcomes of a Stepcut Lengthening Osteotomy Compared to Evans Calcaneal Osteotomy for Stage IIB Adult-Acquired Flatfoot Deformity." Podium presentation at the American Orthopaedic Foot and Ankle Society Annual Meeting in Toronto, Canada, July 2016. *Abstract published in Foot and Ankle Orthopaedics*, 1(1), September - December 2016.
3. Conti MS, Chan JY, Do HT, Ellis SJ, and Deland JT. "Correlation of Postoperative Midfoot Position with Patient Outcomes Following Reconstruction of the Stage II Adult Acquired Flatfoot Deformity." Podium presentation at the American Orthopaedic Foot and Ankle Society Annual Meeting in Chicago, Illinois, September 2014.
4. Conti MS, Chan JY, Do HT, Ellis SJ, and Deland JT. "Optimal Position of the Heel Following Reconstruction of the Stage II Adult Acquired Flatfoot Deformity." Podium presentation at the American Academy of Orthopaedic Surgeons Annual Meeting in New Orleans, Louisiana, March 2014.
5. Ghomrawi, H, Marx R, Pan T, Conti MS, and Lyman S, "Effect of Coverage Change and Evidence on Practice Patterns: The Case of Knee Arthroscopy." Oral presentation at iHEA 9th World Congress on Health Economics in Sydney, Australia, July 2013. Poster presentation at AcademyHealth's 2013 Annual Research Meeting, Baltimore, United States, June 2013.

Poster Presentations in Orthopaedics

1. Conti MS, Garfinkel JH, Kunas GC, Deland JT, and Ellis SJ. "Postoperative medial cuneiform position is correlated with patient-reported outcomes following Cotton osteotomy for reconstruction of the stage II adult acquired flatfoot deformity." Poster presentation at the American Orthopaedic Foot and Ankle Society Annual Meeting in Chicago, Illinois, September 2019.

2. Conti MS, Savenkov A, and Ellis SJ. “Peripheral Vascular Disease is Associated with Increased Risk of Acute Postoperative Infection and Failure of Total Ankle Replacements.” ePoster presentation at the American Orthopaedic Foot and Ankle Society Annual Meeting in Chicago, Illinois, September 2019.
3. Conti MS, Chan JY, Do HT, Ellis SJ, and Deland JT. “Optimal Position of the Heel Following Reconstruction of the Stage II Adult-Acquired Flatfoot Deformity.” Poster presentation at Weill Cornell Medical College Student Research Day, New York City, New York, March 2014.

Peer-Reviewed Journal Articles in Other Fields

1. Sangari SK, Heineman TE, Conti MS, Dossou PMF, Dillon DJ, Tsiouris AP, Pyo SY, Mtui EP, and Hartl R. “Quantitative Gross and CT Measurements of Cadaveric Cervical Vertebrae (C3 – C6) as Guidelines for the Lateral Mass Screw Fixation.” *Int J Spine Surg*, 10(43), January 2016.
2. Conti MS. “Effect of Medicaid Disease Management Programs on Emergency Admissions and Inpatient Costs.” *Health Services Research Journal*, 48(4), August 2013, 1359-1374.

CURRENT RESEARCH PROJECTS / MANUSCRIPTS IN PREPARATION

1. Predicting Failure of Reconstruction of the Stage II Adult Acquired Flatfoot Deformity based on Preoperative Subtalar Valgus and Subfibular Impingement
Research Mentors: Dr. Scott J. Ellis and Dr. Jonathan T. Deland
2. Position of the Tibial Nerve in Patients Indicated for Total Ankle Arthroplasty
Research Mentors: Dr. Scott J. Ellis and Dr. Constantine A. Demetracopoulos
3. Osteochondral Defects of the Talus: How to Treat without an Osteotomy (Invited manuscript to *Clinics in Sports Medicine*)
Research Mentor: Dr. Steve B. Behrens
4. Correlation of Clinical Outcomes with Pronation of the First Ray Measured on Weightbearing CT Scans in Patients with Hallux Valgus
Research Mentor: Dr. Scott J. Ellis
5. The Effect of Medial-Sided Procedures on Reconstruction of the Adolescent Idiopathic Flatfoot: A Prospective Clinical Trial
Research Mentor: Dr. David M. Scher

OTHER AWARDS/ACCOMPLISHMENTS

Physician Volunteer Award presented by the Allegheny County Medical Society Foundation, 2017
Rhodes Scholarship Finalist, 2011
Valedictorian Finalist, University of Notre Dame, 2011
2nd Place Bernoulli Award for Undergraduate Statistical Research, University of Notre Dame, 2011
Weber Award for Economics, University of Notre Dame, 2011
Economics Advisory Council, University of Notre Dame, 2011
Dr. Barnett Award for Pre-Professional Studies, University of Notre Dame, 2011
Highest Academic Marks for the Academic Year, University of Oxford, 2010
Dean’s List (All Semesters), University of Notre Dame, 2007 – 2011

Catholic Charities of Pittsburgh Caritas Award for Service for Our Hearts to Your Soles, 2009

HOBBIES & INTERESTS: Running, cycling, traveling, and reading