

Havalee Henry, M.D, M.S

• hhenry@toi-health.com •

Professional Summary

- Ability to provide the best possible surgical care to patients with shoulder and elbow impairments as well as trauma injuries.
- Ability to prioritize workloads during busy periods for smooth and effective execution of work.
- Initiative, excellent communication skills as well as decision making skills necessary for successful orthopaedic practice.
- Willingness and flexibility to adjust to, and learn about changing, healthcare environments

EMPLOYMENT

The Orthopaedic Institute, Ocala, FL

Orthopaedic Surgeon March 2019

EDUCATION

Fellowship

Nottingham University Hospital, Nottingham, United Kingdom

Trauma Fellowship, September 2018 – February 2019

Fellowship

Brown University, Providence, Rhode Island

Shoulder and Elbow Fellowship, August 2017 – July 2018

Residency

Yale University School of Medicine, New Haven, Connecticut

Orthopaedic Surgery Residency, 2012- 2017

Medical School

University of Rochester School of Medicine and Dentistry, Rochester, New York

Doctor of Medicine, May 2012

Graduate School

Northeastern University, Boston, Massachusetts

Master of Science – Muscle Physiology, May 2004

Undergraduate

University of Connecticut, Storrs, CT

Bachelor of Science – Molecular and Cellular Biology, May 2001

HONORS AND AWARDS

- DePuy Synthes Grant for Research - September 2016
- J Robert Gladden Orthopaedic Society Resident Research Award, July 2016

- Arthur Guinness Fund for Social Entrepreneurship, January 2014
 - *Humanitarian: to organize Orthopaedic surgery mission trips to provide medical care to underserved populations in Jamaica, W.I.*
- Timothy L. Stephens Orthopaedic Fellowship, August 2009 to June 2010
 - *Case Western Reserve School of Medicine, Cleveland OH*
- Journal of Experimental Biology: Outstanding Paper Prize, 2005

AFFILIATIONS/MEMBERSHIPS

- Teaching Faculty for UCF College of Medicine/Ocala Health Orthopaedic Surgery Program
- AO Trauma
- Orthopaedic Trauma Association
- J. Robert Gladden Society
- Ruth Jackson Orthopaedic Society
- American Shoulder and Elbow Surgeons

PRESENTATIONS

- Annual meeting of the Academy of Orthopaedic Surgeons March 6, 2018 – Podium Presentation: Two Accurate and Efficient Methods for Intraoperative Measurement of Femoral Version
- Grand Rounds, November 13, 2015 – Understanding Acetabular fractures with a 3-D twist
- Grand Rounds, December 19, 2014 – Volunteerism in Orthopaedics

PUBLICATIONS

- Packer, J.D., Varthi, A.G., Zhu, D.S., Javier, F.G., Young, J.D., Garver, J.V., Henry, H.T., Tommasini and Blaine, T.A. Ibuprofen impairs capsuloabral healing in a rat model of anterior glenohumeral instability. (2018) Journal of Shoulder and Elbow Surgery. Feb:27(2):315-324
- Henry, H.T, Szolomayer, L.K., Sumpio, B.E., and Sutton, K.M. Popliteal artery entrapment syndrome: Bilateral Lower extremity involvement. Orthopedics September 2017
- Morris,W.Z, Henry, H.T., Liu,R.W., Streit,J.J., Grant,R.E., and Cooperman D, R. A modified Ogata-Goldsand Technique for simplified intraoperative measurement of femoral version. (2015). J Pediatr Orthop, 35 (6), 593-599.
- Henry, H.T. and Dennis, J. (2010) Growth Factors influencing Human Articular Chondrocyte Growth and Differentiation. Case Western Orthopaedic Journal. Vol 7. 52 – 57
- Rose, R., Ameerally, A., Frankson, M., and Henry, H. (2008). Arthroscopy: Surgical site infections and the need for prophylactic antibiotics. The Internet Journal of Orthopedic Surgery. Volume 10 Number 2
- Rubenson, J., Henry, H.T., Dimoulas, P.M. and Marsh, R.L. (2006). The cost of running uphill: linking organism and muscle energy use in guinea fowl (*Numida meleagris*). J. Exp. Biol. 209, 2395 - 2408
- Marsh, R.L., Ellerby, D.J., Henry, H.T. and Rubenson, J. (2006). The energetic cost of trunk and distal limb loading during walking and running in guinea fowl (*Numida meleagris*) I. Organismal metabolism and biomechanics. J. Exp. Biol 209, 2050 - 2063
- Henry, H. T., Ellerby, D. J. and Marsh, R. L. (2005) Performance of guinea fowl (*Numida meleagris*) during

jumping requires storage and release of elastic energy. *J. Exp. Biol* 208, 3293 - 3302

- Ellerby, D. J., Henry, H. T., Carr, J. A., Buchanan, C. I. and Marsh, R. L. (2005). Blood flow in guinea fowl (*Numida meleagris*) as an indicator of energy expenditure by individual muscles during walking and running. *J. Physiol* 564, 631 - 648.
- Marsh, R. L., Ellerby, D. J., Carr, J. A., Henry, H. T. and Buchanan, C. I. (2004). Partitioning the energetics of walking and running: swinging the limbs is expensive. *Science*. 303, 80 - 83

RESEARCH EXPERIENCE

Yale University School of Medicine, New Haven, CT

Orthopaedic Surgery Resident (June 2012 to 2018)

- Conducted measurements on preserved femora and cadavers to develop a straight forward and time efficient method of calculating femoral anteversion intra-operatively
- Developed software Application program for hand-held devices to calculate femoral anteversion

Case Western Reserve University, School of Medicine, Cleveland, OH

Research Fellow (August 2009 to July 2010)

- Designed project to investigate growth factors and conditions for optimization of expansion of human chondrocytes
- Investigated production and implantation of tissue-engineered neo-trachea (rabbit auricular chondrocytes cultured to produce a mechanically stable trachea-like tissue).
- Learned techniques: chondrocyte cell culturing (procurement of cartilage, thawing, expansion, redifferentiation in bioreactors), phase microscopy, assay for detection and quantification of DNA and GAG, Immunohistochemical staining for Type II and Type IX collagen

University of California San Diego, San Diego, CA

Research Associate - Department of Orthopaedics and Bioengineering (February 2006 to June 2006)

- Studied muscular architecture of the lower hindlimb muscles of rabbits, rats and mice
- Isolated single muscle fibers and conducted experiments to determine the passive mechanical properties of such fibers
- Trained in the use of laser diffraction to determine muscle fiber sarcomere length
- Conducted experiments in which muscles from wild-type and knockout animals were electrically stimulated to determine muscle response to eccentric contraction
- Utilized confocal microscopy to aid investigation of mechanical properties of wild-type and knockout muscles.
- Performed surgical procedures to implant a pressure transducer in rabbit tibialis anterior muscle to investigate the relationship between muscle contractile force and intramuscular pressure

Northeastern University, Boston, MA

Research Assistant, Physiology and Microbiology (September 2001 to August 2005)

- Designed project to investigate the biomechanics of jumping in guinea fowl.
- Performed surgical implantation of sonomicrometry and EMG electrodes in animal muscles.
- Injected microparticles in cardiovascular system of guinea fowl with subsequent monitoring of cardiovascular parameters.
- Constructed sonomicrometry and EMG electrodes. Monitored surgical anesthesia

INTERESTS

- Photography, SCUBA diving, Cycling, Weight lifting, Cooking, Medical Volunteerism