



CURRICULUM VITAE

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Education:

- **Brandeis University, Waltham, Massachusetts, 02453 (08-1996 to 05-2000)**
 - Major: B.S. in Biology, Cum Laude.
 - Minor: Philosophy with Cluster Concentration in "Ethics and Values"
 - Brandeis University **Presidential Scholar** for Academic Merit, 1996-2000
 - Vice-President, Epsilon Phi Chapter of Zeta Beta Tau Fraternity, 1999
 - National Winner, "Shap Shapiro" Summer Internship in Marketing and Communications, National Headquarters of the Anti-Defamation League, New York City, 1997.
- **Tufts University School of Medicine (TUSM), Boston, Massachusetts, 02111 (08-2000 to 05-23-2004)**
 - Awarded the Rosenblum Orthopaedic Scholarship, 2004
 - Inducted to the *Alpha Omega Alpha* Medical Honor Society, 2003
 - 2002 Finalist: Earle P. Charlton Clinical Research Poster Competition
 - 2001 Maimonides Scholars Fellow: Studied Jewish Medical Ethics at the *Schlesinger Institute* of Shaare Zedek Medical Center in Jerusalem, Israel.
- **Internship in General Surgery, (07-01-2004 to 06-30-2005)**
Yale University and Yale-New Haven Hospital, New Haven, CT 06510
 - Member, Yale Surgical Society, 2005
- **Resident in Orthopaedic Surgery, (07-01-2005 to 06-30-2008)**
- **Chief Resident in Orthopaedic Surgery, (07-01-2008 to 06-30-2009)**
Department of Orthopaedics and Rehabilitation,
Yale University and Yale-New Haven Hospital, New Haven, Connecticut, 06510
 - Attendee, National Orthopaedic Leadership Conference, 2008.
 - Resident Representative to Connecticut Orthopaedic Society, 2006-08.
 - Awarded an OREF/JBJS Resident Journal Club Grant, 2008-09.
- **Fellowship in Adult Reconstruction (Total Joint Replacement), (08-01-2009 to 07-31-2010)**
Keggi Orthopaedic Foundation & Waterbury Hospital, Waterbury, CT, 06762

- Sub-Specialty Training in Primary and Revision Arthroplasty of the Hip and Knee, Complex and Post-Traumatic Joint Reconstruction, Hip Resurfacing Arthroplasty, Unicondylar Knee Arthroplasty, Large Joint Arthrotomy & Arthroscopy.

Career/Academic Appointments:

- **Clinical Instructor: 07/2008 to 06/2009**
 - Chief Resident, Yale University School of Medicine, New Haven, CT
- **Assistant Professor of Orthopaedic Surgery: 10/2011 to 11/2016**
 - Warren Alpert Medical School of Brown University, Providence, RI
- **Associate Professor of Orthopaedic Surgery, *Clinician Educator Track*: January 1, 2017 to Present**
 - Yale University School of Medicine, New Haven, CT.

Administrative Positions:

- Associate Director, Brown University Orthopaedic Residency Program (07/2016 to 11/2016)
 - Warren Alpert Medical School of Brown University, Providence, RI

Board Certification:

- **Board Certified Diplomate of the American Board of Orthopaedic Surgery (ABOS):**
 - Fellowship Earned: July 25, 2013, Re-Appointment Due by December 31, 2023.
 - Fellow, American Academy of Orthopaedic Surgery (AAOS)
 - Fellow, American Association of Hip and Knee Surgeons (AAHKS)

Professional Honors & Recognition:

- **International: N/A**
- **National:**
 - **2017:** Included in the “Leading Physicians of the World.”
 - **2013:** Who’s Who in Medicine Academia.”
 - **2011:** Marquis’ “Who’s Who in America.”
- **Regional:**
 - **2015: Medical Honoree**, Arthritis Foundation’s Rhode Island Walk to Cure Arthritis, 5/17/2015.
 - **2013:** Named to Rhode Island’s “Forty Under 40” by the Providence Business News, 7/2013.
- **Local:**
 - **2013: Fain Quality Award**, “Total Joint Center Transfusion Reduction,” The Miriam Hospital.
 - **2012: “Service Excellence Leadership Award,”** Rhode Island Hospital.

Grant/Clinical Trials History:

- Active: N/A
- Pending: N/A
- Past:
 - **2013: Retrospective cohort analysis of Tran-examic acid (TXA) in total joint arthroplasty.** Rhode Island Hospital Orthopedic Foundation, Inc., \$2500. Role: Senior Author and Co-PI.
 - This was a retrospective cohort research project designed to assess the clinical impact of TXA on the total joint center with regard to transfusion rates, blood component management, and clinical outcomes following elective total joint replacement. In 2014, clinical data and a cost benefit analysis derived from

the project were published in the Journal of Arthroplasty, and two further sub-group analyses were also published in Reconstructive Review.

- **2014: “MRI Measurement of Knee Ligament Health in Osteoarthritis.”** Rhode Island Medical Imaging, Seed Grant, \$5000. Role: Senior Author, Co-PI, Lead Clinician.
 - This project focused on the role of MRI in creating a volumetric assessment of cruciate ligament strength within the arthritic adult knee. The goal was to compare MRI data to ACL ligament failure strength testing on 15 cadaver knees, and to compare MRI data on 15 native arthritic knees to subsequent histology on harvested cruciate ligaments. Porcine data from the initial ACL focused project was published to validate the model and proprietary MRI software, and human data derived from this project was subsequently published in the Journal of Biomechanics in 2015.

Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated with Yale:

International & National:

- 2016** **5th Annual International Congress for Joint Reconstruction (ICJR) Anterior Hip Course, Houston, TX, September 22-24, 2016.**
-- “Preop Education and Preparation for Outpatient DAA THA”
-- Moderator for panel: “Economics of Arthroplasty”
-- “Hip Hemiarthroplasty via the DAA”
-- Challenging Cases Panel Speaker: “Difficult and Interesting THA’s”
-- Anatomy Lab Table Proctor: Primary and Revision THA Techniques
- 2015** **4th Annual International Congress for Joint Reconstruction (ICJR) Anterior Hip Course, Houston, TX, September 24-26, 2015.**
-- “Hip Resection Arthroplasty via the DAA”
-- “Hip Hemiarthroplasty via the DAA”
-- Session Moderator: “The DAA of Today and Tomorrow”
-- Panel Discussion: “Avoiding and Managing Complications”
-- Panel Discussion: “Case Reviews: Difficult and Interesting THA’s”
- 2014** **3rd Annual International Congress for Joint Reconstruction (ICJR) Anterior Hip Course, Houston, TX, September 18-20, 2014.**
-- “DAA for Bearing Exchanges”
-- “Top 10 Things I learned on the Learning Curve”
-- “Managing DAA Complications”
-- “What do I tell patients about the DAA”
-- Faculty Proctor, “The 12 Steps Cadaver Course” and “Advanced Cadaver Lab”
- 2013** **2nd Annual International Congress for Joint Reconstruction (ICJR) Anterior Hip Course, Houston, TX, September 26-28, 2013.**
-- “Hemostasis for the Direct Anterior Approach.”
-- “Intraoperative Adjuncts: Special Instruments for the Direct Anterior Approach.”
-- Proctor, “The 12 Steps Cadaver Course” and “Advanced Cadaver Lab”
- 2012** **1st Annual International Congress for Joint Reconstruction (ICJR) Anterior Hip Course, Houston, TX, September 13-15, 2012.**
-- “Special Instruments for Femoral Preparation.”

Regional & Local:

- 2017** **Rubin LE.** "The Direct Anterior Approach for Hip Hemiarthroplasty: Current Evidence and Surgical Technique." Yale Ortho Grand Rounds; Hosting the Austrian-Swiss-German Traveling Fellowship. New Haven, CT, June 10, 2017.
- Rubin LE.** "DVT Prophylaxis after TJA: The Orthopaedic Perspective" Yale Health Plan Grand Rounds, New Haven, CT, Thursday, Sept 14th, 2017.

McLynn RP, **Rubin LE**, Grauer JN. "The Rothman Index: Predicting Post-Discharge Events after Geriatric Hip Fracture Surgery". YNHH PeraHealth Meeting. New Haven, CT, September 11, 2017.

- 2016** **Grand Rounds: "Beyond Primary THA: Using the DAA for Advanced Hip Reconstruction"**
-- Dartmouth-Hitchcock Medical Center, Dartmouth Medical School, Hanover, NH (Feb 26, 2016)
-- Robert Wood Johnson Medical Center, Rutgers University, New Brunswick, NJ (April 21, 2016)
-- Yale University / YNHH, New Haven, CT (May 27, 2016)
- 2015** **Grand Rounds: "DVT Prophylaxis After TJA: The Orthopaedic Perspective"**
-- Brown University, Department of Geriatric Medicine, Providence, RI (Oct 29, 2015)
- 2015** **"Current Topics in Orthopedics," Sugarloaf, ME, March 6-8, 2015.**
-- "Management of the Young Patient with Hip Arthritis"
-- "The Emerging Role of Tranexamic Acid (TXA) in Total Joint Arthroplasty"
-- "Beyond the Basics: The Role of the DAA for Revision THA"
- 2015** **Yale Orthopaedic Association Reunion, January 16, 2015, Yale Club, NYC.**
-- "The Emerging Role of Tranexamic acid (TXA) in Reducing Blood Loss after THA"
- 2015** **Annual Brown University Orthopedics Symposium: Current topics in Adult Hip and Knee Orthopedics for the Primary Care Provider, Providence, RI, November 21, 2015.**
-- "Total Hip Arthroplasty and the Direct Anterior Approach"
-- "DVT Prophylaxis After TJA: The Orthopaedic Perspective"
-- Panel Discussion: "Current Topics in Hip and Knee Replacement"
- 2014** **13th Annual Lifespan Rehabilitation Conference, Crowne Plaza Hotel, Warwick, RI.**
-- "Management of the Young Patient with Hip Disease"
- 2013** **Grand Rounds: "Management of the Young Patient with Hip Disease."**
-- Departments of Rheumatology (January 15, 2013) and Orthopaedic Surgery (March 6, 2013).

"Musculoskeletal Exam of the Hip and Knee." Delivered to the First Year Class at Warren Alpert School of Medicine at Brown University and to both The Miriam Hospital and Rhode Island Hospital's Internal Medicine Residencies.

"Primary and Complex Total Knee Arthroplasty"
"Management of Femoral Neck Fractures"
"Avascular Necrosis of the Hip"
Brown Orthopaedic Resident Education Conference
- 2013** **Current Trends in the Treatment of the Adult Orthopedic Patient for the Primary Care Provider, Providence, RI, November 16, 2013.**
-- "Adult Hip Reconstruction: Indications for Treatment and New Frontiers"
-- "Treatment of Hip Fractures in Adults: Repair vs. Replace?"
- 2012** **Primary Care Management of the Pediatric Orthopaedic Patient, Providence, RI, 12/1/12.**
-- "Management of the Young Patient with Hip Disease."
- 2012** **"Oh, My Aching Joints! Managing Hip and Knee Arthritis Pain: Innovative Treatment Options"**
21st Annual Miriam Women's Wellness Workshop, September 8, 2012

"Understanding Direct Anterior Hip Replacement"

Grand Rounds for PT Staff at Both The Miriam Hospital and The Rhode Island Hospital

“Acetabular Implant Selection”

“Future Leaders” Acetabular Skills Course, DePuy Institute, Raynham, MA
(Courses Given on 11-19-2011, 5-19-2012)

“Multi-Modal and Neuraxial Anesthesia for Total Joint Replacement”

Miriam Hospital Anesthesia Grand Rounds

“Avascular Necrosis of the Hip”

Brown Orthopaedic Resident Education Conference

2011

“Blood Utilization in Total Joint Replacement”

The Miriam Hospital's Total Joint Center Surgeon Committee

“Understanding Geriatric Fractures”

Continuing Education Seminar for Radiology Technicians, Naugatuck Valley Community College, Waterbury, CT

“Understanding Direct Anterior Hip Replacement”

Physical Therapist Educational Seminar, Watertown, CT

2010

“Musculoskeletal Examination of the Shoulder, Hip, and Knee.”

- Annual Meeting of the Connecticut Association of Physician Assistants (CONN-APA), April 11, 2010, Mystic, CT
- Yale University & Waterbury Hospital Medicine-Pediatrics Residency

2008

“Patello-Femoral Disease.”

Yale Sports Medicine Seminar with visiting professor Dr. John P. Fulkerson

“Adult Reconstruction” and “Orthopaedic Trauma.”

Invited Guest Lecturer, Yale Physician Associate Program, Yale University

2007

“Orthopaedic Trauma.”

Invited Guest Lecturer, Yale Physician Associate Program, Yale University

“MRSA: Combating a Monster.”

Orthopaedic Grand Rounds, Yale-New Haven Hospital

“Injuries and Disorders of the Sternoclavicular Joint.”

Orthopaedic Grand Rounds, Yale-New Haven Hospital

“IVC Filters: A Contemporary Update for Orthopaedic Surgeons.”

Orthopaedic Grand Rounds, Waterbury Hospital, Waterbury, CT

2006

“Ankle Fractures” and “Odontoid Fractures.”

Orthopaedic Grand Rounds, Waterbury Hospital, Waterbury, CT

2002-03

Anatomy Tutor, Tufts University School of Medicine.

2003

“The Art of Communication: Always Room for Improvement.”

Student Speaker at the *Forum on Ethical Issues*, Massachusetts Medical Society (MMS) 2003 Annual Meeting

Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale:

Scientific Posters (International & National):

- 2017** Kleiner JE, Eltorai A, **Rubin LE**, Daniels AH. "Matched Cohort Analysis of Total Knee Arthroplasty in Patients with and without Parkinson's Disease: Complications, Mortality, Length of Stay, and Hospital Charges." ORS 2017 Annual Meeting, March 19-22, 2017, San Diego, CA. (Poster #179)
- Cohen EM, Ritterman S, Vaughn J, Eisenson D, Antoci V, **Rubin LE**. "Intraoperative Femur Fracture Risk During Primary Direct Anterior Cementless Total Hip Arthroplasty with and without a Fracture Table." ORS 2017 Annual Meeting, March 19-22, 2017, San Diego, CA. (Poster #2003).
- Cohen EM, Ritterman S, Vaughn J, Eisenson D, **Rubin LE**. Heterotopic Ossification after Direct Anterior Total Hip Arthroplasty. British Hip Society Meeting, 2017 March 1-3; London, United Kingdom. (Poster #22)
- Cohen EM, Ritterman S, Vaughn J, Eisenson D, **Rubin LE**. IntraOperative Femur Fracture Risk During Primary Direct Anterior Approach Cementless Total Hip Arthroplasty with and without a Fracture Table. British Hip Society Meeting, 2017 March 1-3; London, United Kingdom. (Poster #20)
- 2016** **"Intra-Operative Femur Fracture Risk during Primary Direct Anterior Approach Cementless Total Hip Arthroplasty with and without a Fracture Table"** Cohen EM, Ritterman S, Vaughn J, Eisenson D, **Rubin LE**. 2016 ICJR Trans-Atlantic Orthopaedic Congress, New York, NY, Oct 6-9, 2016.
- "Heterotopic Ossification after Direct Anterior Approach Total Hip Arthroplasty."** Cohen EM, Ritterman S, Tuttle J, Eisenson D, **Rubin LE**. 2016 ICJR Trans-Atlantic Orthopaedic Congress, New York, NY, Oct 6-9, 2016.
- "Assessing ligament degeneration using an alternate histopathological method."** Rohan AC, **Rubin LE**, Biercevicz AM, Evangelista PT, Badger GJ, Fleming BC. Poster #0657, Orthopaedic Research Society (ORS) 2016 Annual Meeting, Orlando, FL, March 5-8, 2016.
- 2015** **"Effect of femoral head size on the rate of revision surgeries among metal-on-metal total hip Arthroplasty: A propensity score matched cohort study."** Katherine Etter, Art Sedrakyan, **Lee E. Rubin**, Linda Resnik, Ira Wilson, David D. Dore. 31st *International Conference on Pharmacoepidemiology & Therapeutic Risk Management (ICPE)*, August 22-26, 2015, Boston, MA.
- 2015** **"Effect of Femoral Head Size in Non-Metal-on-Metal Devices on Surgical Revision Rates in Total Hip Arthroplasty: A Propensity Score Matched Cohort."** Katherine Etter, Art Sedrakyan, **Lee E. Rubin**, Linda Resnik, Ira Wilson, David D. Dore. 31st *International Conference on Pharmacoepidemiology & Therapeutic Risk Management (ICPE)*, August 22-26, 2015, Boston, MA.
- 2015** **"Effect of Bearing Surface Material on Surgical Revision Rates in Total Hip Arthroplasty: A Propensity Score Matched Cohort."** Katherine Etter, Art Sedrakyan, **Lee E. Rubin**, Linda Resnik, Ira Wilson, David D. Dore. 31st *International Conference on Pharmacoepidemiology & Therapeutic Risk Management (ICPE)*, August 22-26, 2015, Boston, MA.
- 2015** **"Subgroup Analysis of TXA in Total Knee Arthroplasty."** Tuttle JR, **Rubin LE**. Poster 116, AAOS Annual Meeting 2015, Las Vegas, NV.
- 2014** **"Glycosaminoglycan release from cartilage exposed to tranexamic acid."** Ritterman SA, Feltman PR, Tuttle JR, **Rubin LE**, Froehlich JA, Ehrlich MG. Poster 1262, 2014 Orthopaedic Research Society Meeting, New Orleans, LA.
- 2010** McTighe T, Turnbull A, Keggi JM, Keggi KJ, Kennon RE, Stulberg SD, **Rubin LE**, Keppler L, Woodgate I, Harrison J, Van Der Rijt A, Brazil D. **"Neck Sparing Total Hip Arthroplasty –**

Lessons Learned.” Poster Presentation at the International Osteoporosis Foundation World Congress on Osteoporosis Meeting, May 5-8, 2010, Florence, Italy.

Scientific Posters (Regional & Local):

- 2017** Ottesen TD, McLynn RP, Zogg CK, Shultz BS, Ondeck NT, Bovonratwet P, Bellamkonda KS, Rubin LE, Grauer JN. *Dialysis is an independent risk factor for perioperative adverse events, readmission, and mortality for patients undergoing elective spine surgery.* Student Research Day, Yale University; 2017 May 2; New Haven, CT (Poster #68).
- 2009** Rubin LE, Telles CJ, Adeoye S, Keggi KJ. “Minimally Invasive Partial Denervation and Anterior Release of the Hip Joint Capsule: A Surgical Technique to Relieve Pain and Improve Hip Function.” Poster presentation at the 2009 Annual Meeting of the Eastern Orthopaedic Association, Nassau, Bahamas.
- 2003** Rubin LE, Stein PB, DiScala C, Grottkau BE. “Pediatric trauma caused by personal watercraft: A ten-year retrospective.” Tufts University School of Medicine Student Research Day.

Scientific Podium Presentations (International & National):

- 2017** Kleiner JE, Eltorai A, Rubin LE, Daniels AH. “Matched Cohort Analysis of Total Knee Arthroplasty in Patients with and without Parkinson’s Disease: Complications, Mortality, Length of Stay, and Hospital Charges.” ORS 2017, San Diego, CA. (Podium Session 25)
- Rubin LE, Cohen EM, Vaughn JJ, Eisenson DL. “Intra-Operative Femur Fracture Risk During Primary DAA Cementless THA.” Anterior Hip Foundation Meeting, Las Vegas, NV, June 23, 2017.
- Ottesen TD, McLynn RP, Zogg CK, Shultz BS, Ondeck NT, Bovonratwet P, Bellamkonda KS, Rubin LE, Grauer JN. *Dialysis is an independent risk factor for perioperative adverse events, readmission, and mortality for patients undergoing elective spine surgery.* American College of Surgeons Quality and Safety Conference: 2017 July 21-24; New York, NY.
- 2016** “Top 8” Oral Presentation: “Intra-Operative Femur Fracture Risk during Primary Direct Anterior Approach Cementless Total Hip Arthroplasty with and without a Fracture Table” Cohen EM, Ritterman S, Vaughn J, Eisenson D, Rubin LE. 2016 ICJR Trans-Atlantic Orthopaedic Congress, New York, NY, Oct 7, 2016, 6pm.
- 2010** Aschoff HH, Kennon RE, Keggi JM, Rubin LE. “Surgical management of trans-femoral amputations with a transcutaneous, press-fit distal femoral intra-medullary device: Analysis with minimum 2 year followup.” Podium Presentation at the 12th Combined Meeting of the Orthopaedic Associations, September 12-17, 2010, Glasgow, Scotland.
- 2008** Rubin LE, Galante NJ, Smith BG, Deluca PA. “Direct Intraosseous Pressure Monitoring of the Femoral Head During Surgical Dislocation and Osteotomy for Slipped Capital Femoral Epiphysis.” Podium presentation at the 2008 Annual Meeting of the American Academy of Pediatrics, Section of Orthopaedic Surgery, Boston, MA.

Scientific Podium Presentations (Regional & Local):

- 2009** Keggi JM, Kennon RE, Rubin LE, Keggi KJ. “The Direct Anterior Approach without traction table for Hip Resurfacing Arthroplasty.” Podium presentation at the 3rd Annual Hip Joint Preservation and Resurfacing Arthroplasty Course, 2009, Baltimore, MD.
- 2009** Rubin LE, Keggi JM, Kennon RE, Keggi KJ. “Efficacy of a saline-coupled bipolar tissue sealing device in reducing blood loss during unilateral total hip arthroplasty.” Podium presentation at the Postgraduate Disputations Seminar of the Yale Orthopaedic Association, June 19th, 2009, New Haven, CT.

- 2008** **Rubin LE, Kennon RE, Keggi JM, Keggi KJ. “The Direct Anterior Approach without traction table for Hip Resurfacing Arthroplasty.”** Podium presentation at the 2008 Annual Meeting of the Connecticut Orthopaedic Society, Farmington, CT.

Professional Service

- **Peer Review Groups/Grant Study Sections:** N/A
- **Advisory Boards:** N/A
- **Journal Service:**
 - Journal of Arthroplasty
 - Reviewer: 2011 – 2017
 - Elite Reviewer & Editorial Board Member: 2017 - Present
 - Arthroplasty Today (Founding Editorial Board Member and Reviewer): 2014 – Present.
 - Reconstructive Review (Editorial Board and Reviewer): 2011 – Present.
 - Journal of Orthopaedic Research (Reviewer)
 - Clinical Orthopaedics and Related Research (Reviewer)
 - BMC Musculoskeletal Disorders (Reviewer)
 - **Guest Journal Monograph Editor:**
 - “Arthroplasty of the Lower Extremities,” *RI Medical Journal*, March 2013.
 - “Hip Resurfacing Arthroplasty,” *Techniques in Orthopaedics*, Volume 25, Issue 1: March 2010.
- **Professional Service for Professional Organizations:**
 - **American Academy of Orthopaedic Surgeons (AAOS):**
 - Committee Member, Orthopaedic Video Theater Committee, 2014 - 2018.
 - Member, “Orthopaedic Opinion Group,” 2012 – Present.
 - **American Association of Hip and Knee Surgeons (AAHKS):**
 - Annual Meeting Poster Award Reviewer (2015 – Present).
 - RI State Representative to AAHKS PAC (2012 – Present).
 - **Orthopaedic Research Society (ORS):**
 - “Hip Topic” Chairman, Annual Meeting Committee, 2014-2016.
 - Podium Moderator (2014 – 2015), Abstract Reviewer, 2013 – Present.
 - **Rhode Island Orthopaedic Society (RIOS): Executive Committee Member, Presidential Line**
 - “Treasurer,” Elected for 2015 – 2017 Term.
 - “Member at Large,” Elected for 2013 – 2015 Term.
 - **International Congress of Joint Reconstruction (ICJR):**
 - Faculty Member, Annual “Anterior Hip Course,” (All six Annual Courses, 2012 – 2017)
 - Peer Review Panel, Online Media, 2013 – Present.

Yale University & Yale-New Haven Hospital (YNHH) Service:

Co-Chief, Division of Adult Reconstruction, Yale University Department of Orthopaedics & Rehabilitation

Chief, YNHH Total Joint Replacement Program

Chair, YNHH Musculoskeletal Surgical Site Infection Committee

Medical Director, YNHH St. Raphael’s Hospital Verdi 4-East

Leader, YNHH Orthopaedic Readmission Task Force
Leader, YNHH McGivney Outpatient Arthroplasty Protocol Committee
Member, YNHH Hip Fracture Program Oversight Committee

Public / Community Service:

2016 **Event Physician, USA Gymnastics Championships, Providence RI.**
2015-Present **Treasurer, Rhode Island Orthopedic Society (RIOS)**
2013-2015 **"Member-at-Large," Rhode Island Orthopedic Society (RIOS)**
2012-Present **Team Leader, RI Walk to Cure Arthritis, RI Chapter of the Arthritis Foundation**
 Served as the 2013 Event Chairman, and as the 2015 Medical Honoree
2012 **Participant, Fourth Annual "Ride Round Rhody" Bicycle Charity Event**
2004-08 **Event Physician, New Haven Pilot Pen ATP/WTB Tennis Tournament**
2008 **Event Physician, National Youth Sports Program, Yale University Athletics**
2006-07 **Medical Research Associate, Orthopaedic Medical Legal Advisor**
2006 **Sideline Physician, Connecticut State Football Championships and CIAC Events**
2005 **Sideline Physician, New Haven Road Race**
2000-04 **Boston Marathon Medical Volunteer**
2002-03 **Statewide Medical Student Representative, MMS Committee on Ethics and Discipline**
2003-04 **Statewide Medical Student Representative, Boston Medical Library's Board of Trustees**
2001-04 **Elected Class Representative, TUSM Ethics Committee**
2000-04 **Founder and President, TUSM Medical Ethics Society**
2000, 2004 **Team Leader and Charity Bicyclist, Project Bread's Annual "Ride for Hunger."**
2000-01 **Team Member, Boston Coalition for Adult Immunization.**

Bibliography:

Peer-Reviewed Original Research:

- 2017** Honcharruk E, Kayiaros S, **Rubin LE**. The direct anterior approach for acetabular augmentation in primary total hip arthroplasty, In Press, Corrected Proof, Arthroplasty Today, Published online: May 12, 2017.
- Cohen EM, Vaughn JJ, Ritterman SA, Eisenson DL, **Rubin LE**. Intraoperative Femur Fracture Risk During Primary Direct Anterior Approach Cementless Total Hip Arthroplasty With and Without a Fracture Table. J Arthroplasty. 2017 Sep;32(9):2847-2851. PMID: 28511947
- Bovonratwet P, Ondeck NT, Tyagi V, Nelson SJ, **Rubin LE**, Grauer JN. Outpatient and Inpatient Unicompartmental Knee Arthroplasty Procedures Have Similar Short-Term Complication Profiles. J Arthroplasty. 2017 May 18. PMID: 28602533
- Bokshan SL, Ruttiman RJ, DePasse JM, **Rubin LE**, Palumbo MA, Daniels AH. Reported Litigation Associated With Primary Hip and Knee Arthroplasty. J Arthroplasty. 2017 Jul 11. PMID: 28781019
- Bovonratwet P, Tyagi V, Ottesen TD, Ondeck NT, **Rubin LE**, Grauer JN. *Revision Total Knee Arthroplasty in Octogenarians: An Analysis of 957 cases*. The Journal of Arthroplasty (2017), doi: 10.1016/j.arth.2017.07.032.
- Nelson, S., Adrados, M., Gala, R., Geiger, E., Webb, M., **Rubin, LE**, and Keggi, K. "Leg and Femoral Neck Length Evaluation Using an Anterior Capsule Preservation Technique in Primary Direct Anterior Approach Total Hip Arthroplasty." *Reconstructive Review* 7 (1). (2017)
- DeFroda S, **Rubin LE**, and Jenkins DR. Modifiable Risk Factors in Total Joint Arthroplasty: A Pilot Study. Rhode Island Medical Journal, Published Online, May 2016, 28-31.
 - Biercewicz A, Fleming B, Akelman M, Evangelista P, **Rubin LE**, "The Uncertainty of Predicting Intact Anterior Cruciate Ligament Degeneration in Terms of Structural Properties Using T2* Relaxometry in a Human Cadaveric

Model", Journal of Biomechanics. 02/2015; DOI: 10.1016/j.jbiomech.2015.02.021

- Anazonwu WA, Tuttle JR, **Rubin LE**. Subgroup Analysis of Topical Tranexamic Acid in Total Hip Arthroplasty. *Reconstructive Review*, 2014; 4 (4): 13-17.
- Tuttle JR, Anazonwu W, **Rubin LE**. Subgroup Analysis of Topical Tranexamic Acid in Total Knee Arthroplasty. *Reconstructive Review*. 4(2): 37-41, 2014.
- Klinge SA, Vopat BG, Daniels AH, Bariteau JT, **Rubin LE**, Limbird R. Early Catastrophic Failure of Trochanteric Fixation with the Dall-Miles Cable Grip System. *Journal of Arthroplasty*. 29(6):1289-91, 2014. (Published Online 1-13-2014).
- Tuttle JR, Ritterman SA, Cassidy DB, Anazonwu WA, Froehlich JA, **Rubin LE**. Cost Benefit Analysis of Topical Tranexamic Acid in Primary Hip and Knee Arthroplasty. *Journal of Arthroplasty*. 29(8): 1512-15, 2014. (Published Online 2-5-2014).
- Kayiaros S, **Rubin LE**, Biercevicz A, Limbird R, Paller D. Broach Handle Offset and Impact Acceleration During Femoral Preparation for Total Hip Arthroplasty. *Reconstructive Review*. 3(2): 41-3. September 2013.
- Flanagan BA, Dushey CH, **Rubin LE**, Keggi KJ. Total Hip Arthroplasty Followed by Traction and Delayed Reduction for Crowe IV Developmental Dysplasia of the Hip. *Journal of Arthroplasty*; 28(6): 1052-1054.
- **Rubin L**, Kennon R, Keggi J, Aschoff HH. Surgical Management of trans-femoral amputations with a transcuteaneous, press-fit distal femoral intra-medullary device: Analysis with minimum 2-year follow-up. *Journal of Bone and Joint Surgery - British*, 2012; 94-B: SUPP XXI 95.
- Aschoff HH, Kennon RE, Keggi JM, **Rubin LE**. Transcutaneous, Distal Femoral, Intramedullary Attachment For AKA Prostheses: An Endo-Exo Device. Technical Exhibit from AAOS 2010. *Journal of Bone and Joint Surgery*, 2010; 92:180-186.
- Keggi JM, Kennon RE, **Rubin LE**, Keggi KJ. The Direct Anterior Approach for Hip Resurfacing Arthroplasty. *Techniques in Orthopaedics* 2010; 25(1): 12-17.
- **Rubin LE**, Galante NJ, Smith BG, Deluca PA. Direct Intraosseous Pressure Monitoring of the Femoral Head During Surgical Dislocation and Osteotomy for Slipped Capital Femoral Epiphysis. *Orthopedics* 2008; 31(7): 663-6.
- **Rubin LE**, Keggi KJ. The anterior and the anterior two-incision approach to total hip arthroplasty. *Seminars in Arthroplasty* 2008; 19(2): 175-9.
- Page C, **Rubin LE**, Gusberg RJ, Dardik A. Arterial thrombosis associated with heterozygous factor V Leiden disorder, hyperhomocysteinemia, and peripheral arterial disease: Importance of synergistic factors. *Journal of Vascular Surgery* 2005; 42: 1014-8.
- **Rubin LE**, Stein PB, DiScala C, Grottkau BE. Pediatric trauma caused by personal watercraft: A ten-year retrospective. *Journal of Pediatric Surgery* 2003; 38(10): 1525-1529.

Chapters & Books:

- O'Donnell A, Ritterman S, **Rubin LE**: "Laser Doppler Flowmetry." Chapter 4 in **Skeletal Circulation in Clinical Practice**. Editor: Aaron RK. Publisher: World Scientific. February 2016. ISBN # 978-981-4713-75-7.
- **Rubin LE**, Ritterman SA, McTighe T. "**Neck-Sparing**" Total Hip Arthroplasty. In: *Arthroplasty - Update*, Prof. Plamen Kinov, Editor, ISBN: 978-953-51-0995-2, InTech, DOI: 10.5772/54830. Available from: <http://www.intechopen.com/books/arthroplasty-update/-neck-sparing-total-hip-arthroplasty>

The Direct Anterior Approach for Hip Reconstruction, Editors: **Rubin LE**, Bal BS, Keggi KJ. Publisher: SLACK, Inc. Release Date: June 2016, ISBN # 10 1-63091-027-9.

- Ritterman SA, **Rubin LE**, Keggi KJ: Chapter 3, “Managing Single and Multiple Incisions in Direct Anterior Hip Surgery.”
- Unger AS, Smith E, Keggi KJ, **Rubin LE**: Chapter 13, “Specialized Instruments for the Direct Anterior Approach.”
- Ritterman SA, Deren M, **Rubin LE**: Chapter 17, “Head and Liner Revision Surgery via the Direct Anterior Approach.”
- McClure P, **Rubin LE**, Schiller JR: Chapter 21, “Direct Anterior Hip Surgery in Pediatric Patients.”
- Ritterman SA, **Rubin LE**: Chapter 23, “Limited Exposure Direct Anterior Approach for Treatment of Femoroacetabular Impingement.”
- Keggi KJ, **Rubin LE**, Bal BS: Chapter 34, “In Closing: The Future of Anterior Hip Surgery.”
- **Rubin LE**, Nelson S, Keggi KJ: Video for Chapter 3, “Managing Single and Multiple Incisions in Direct Anterior Hip Surgery.”
- Unger AS, Smith E, Keggi KJ, **Rubin LE**: Video for Chapter 13, “Specialized Instruments for the Direct Anterior Approach.”
- **Rubin LE**: Video for Chapter 17, “Head and Liner Revision Surgery via the Direct Anterior Approach.”
- **Rubin LE**, McClure P, Schiller JR: Video for Chapter 21, “Direct Anterior Hip Surgery in Pediatric Patients.”
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Review Articles:

- Shah KN, Truntzer JN, Romo FT, **Rubin LE**: “Total Joint Arthroplasty in Patients with Human Immunodeficiency Virus.” JBJS Reviews, 2016 4(11): e1. <http://dx.doi.org/10.2106/JBJS.RVW.15.00117>
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- Ritterman SA, **Rubin LE**. Management of the ‘Young’ Patient with Hip Disease. Rhode Island Medical Journal; 96(3): 26-9.

Peer-Reviewed Educational Materials:

- **Rubin LE**, Friedlaender GE. Adverse events and error disclosure. Orthopaedic Medical Legal Advisor. 2007; 2(1): 6-7.
- **Rubin LE**. Defining the surgical learning curve. Orthopaedic Medical Legal Advisor. 2006; 1(2): 4-5.
- **Rubin LE**, Milewski M. A Resident’s Perspective: Surgical competence and patient safety. Orthopaedic Medical Legal Advisor. 2006; 1(3): 6.

Invited Editorials and Commentaries:

- **Rubin LE**. Guest Editor’s Preface: Arthroplasty of the Lower Extremities: A Special Monograph Volume of the Rhode Island Medical Journal. Rhode Island Medical Journal; 96(3): 14-15.
- **Rubin LE**, Keggi JM. Editor’s Preface: Hip Resurfacing Arthroplasty. Techniques in Orthopaedics 2010; 25(1): 1.

Practice Guidelines, Standards and Consensus Statements:

- 2017: Member, AAOS Writing Panel for the Appropriate Use Criteria regarding the Clinical Practice Guideline on Hip Osteoarthritis. (www.OrthoGuidelines.org).

Case Reports, Technical Notes, Letters:

- Nacca C, Shah K, Truntzer JN, **Rubin LE**: “Total Knee Arthroplasty in a Patient with Hypofibrinogenemia.” Published online, Arthroplasty Today, November 6, 2015.
- Cohen E, Hsu RY, Evangelista P, Aaron R, **Rubin LE**. Rapid-Onset Diffuse Skeletal Fluorosis from Inhalant Abuse: A Case Report. JBJS Case Connector, 2014 Nov 26; 4(4): e108.
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- Miki RA, **Rubin LE**, Kirk J, Dodds SD. Spontaneous septic arthritis caused by *Burkholderia Cepacia*. *Iowa Orthopaedic Journal* 2006; 26: 147-50.

Scholarship In Progress: Numerous Ongoing Projects, including submissions to major academic meetings.

Submissions for Publication:

1. Bovonratwet P, Tyagi V, Ottesen TD, Ondeck NT, **Rubin LE**, Grauer JN. Revision Total Knee Arthroplasty in Octogenarians: An Analysis of 957 cases. Submitted to *Clinical Orthopaedics and Related Research*, 06 May 2017.
2. Bovonratwet P, Malpani R, Ottesen TD, Tyagi V, Ondeck NT, **Rubin LE**, Grauer JN. Revision Total Hip Arthroplasty in the Elderly: Quantifying the Risks for Patients over 80 Years Old. Submitted to *The Bone and Joint Journal*, 21 July 2017.
3. McLynn RP, Ottesen TD, Ondeck NT, Cui JJ, **Rubin LE**, Grauer JN. *The Rothman Index as a predictor of post-discharge adverse events after geriatric hip fracture surgery*. Submitted to *Clinical Orthopaedics and Related Research*, 26 July 2017.
4. Invited Commentary: Nelson SJ, Leslie MP, **Rubin LE**, ICJR.net, Traction versus No-Traction Table Techniques for Direct Anterior Approach Hip Reconstruction.

Submissions for Presentation:

1. Ottesen TD, McLynn RP, Zogg CK, Shultz BS, Ondeck NT, Bovonratwet P, Bellamkonda KS, **Rubin LE**, Grauer JN. *Dialysis is an independent risk factor for perioperative adverse events, readmission, and mortality for patients undergoing elective spine surgery*. Submitted to: 45th Annual Meeting of the Cervical Spine Research Society; 2017 November 30 - December 2; Hollywood, FL.
2. Ottesen TD, Zogg CK, Haynes MS, Bellamkonda KS, McLynn RP, Bovonratwet P, **Rubin LE**, Grauer JN. *Dialysis is an independent risk factor for perioperative adverse events, readmission, and mortality for patients undergoing total knee arthroplasty*. Submitted to: Submitted to The Association of Bone and Joint Surgeons 2018 Annual Meeting.
3. Bovonratwet P, Malpani R, Ottesen TD, Tyagi V, Ondeck NT, **Rubin LE**, Grauer, JN. Revision Total Hip Arthroplasty in the Elderly: Quantifying the Risks for Patients over 80 Years Old. Submitted to *The Association of Bone and Joint Surgeons 2018 Annual Meeting*.
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7. Bovonratwet P, Malpani R, Ottesen TD, Tyagi V, Ondeck NT, **Rubin LE**, Grauer, JN. *Revision Total Hip Arthroplasty in the Elderly: Quantifying the Risks for Patients over 80 Years Old*. Submitted to The American Orthopaedic Association 2018 Annual Meeting.
8. Zogg CK, Ottesen TD, Mirza FN, Cheraghlou S, **Rubin LE**, Grauer JN, Dimick JB. *No Difference in Payment Penalties: Variations in Hospital-Level Factors Do Not Differentially Affect Medicare Quality Metrics Following Elective Total Hip and Knee Arthroplasty*. Submitted to: American Academy of Orthopaedic Surgeons 2018 Annual Meeting, 2018, March 6-10; New Orleans, LA.
9. Ottesen TD, Zogg CK, Haynes MS, Bellamkonda KS, McLynn RP, Bovonratwet P, **Rubin LE**, Grauer JN. *Dialysis is an independent risk factor for perioperative adverse events, readmission, and mortality for patients undergoing total knee arthroplasty*. Submitted to: American Academy of Orthopedic Surgeons 2018 Annual Meeting, 2018 March 6-10; New Orleans, LA.