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Chief of Hand Surgery
Newton-Wellesley Hospital
Clinical Associate Professor of Orthopaedic Surgery
Tufts University School of Medicine
Boston, MA

Curriculum Vitae

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Place of Birth: Brooklyn, NY; USA; December 1, 1978

EDUCATION

9/1996 – 5/2000 B.S.
Boston University's Sargent College of Health and Rehabilitation Sciences, Boston, MA
Summa Cum Laude, Major: Human Physiology; Minor: Religion

8/2000 – 5/2004 M.D.
New York University School of Medicine, New York, NY
Alpha Omega Alpha Medical Honor Society

POSTDOCTORAL TRAINING

7/2004 – 6/2005 General Surgery Internship, Department of Surgery, New York University Medical Center, New York, NY, July 1, 2004-June 30, 2005

7/2005 – 6/2009 Orthopaedic Surgery Residency, Department of Orthopaedic Surgery, New York University Hospital for Joint Diseases, New York, NY, July 1, 2005-June 30, 2009
Executive Chief Resident, July 1, 2008-June 30, 2009
Chairman: Joseph D. Zuckerman, MD

8/2009 – 7/2010 Clinical Fellowship, Hand, Upper Extremity, and Microvascular Surgery Service, Department of Orthopaedic Surgery, Massachusetts General Hospital/Harvard Medical School, Boston, MA, August 1, 2009 – July 31, 2010
Service Chief: Jesse B. Jupiter, MD

CLINICAL APPOINTMENTS AT HOSPITALS/AFFILIATED INSTITUTIONS

7/2004 – 6/2005 Intern in General Surgery, New York University Medical Center, New York, NY

7/2005 – 6/2009 Resident in Orthopaedic Surgery, New York University Hospital for Joint Diseases, New York, NY

7/2008 – 6/2009 Executive Chief Resident, Department of Orthopaedic Surgery, NYU Hospital for Joint Diseases, New York, NY

8/2009 – 7/2010 Clinical Fellow in Hand, Upper Extremity, and Microvascular Surgery, Department of Orthopaedic Surgery, Massachusetts General Hospital/Harvard Medical School, Boston, MA

8/2010 – Present	Attending, Hand Surgery, P.C., Department of Orthopaedic Surgery, Newton-Wellesley Hospital/Tufts University School of Medicine, Newton, MA
8/2010 – 10/2011	Attending, Hand, Upper Extremity, and Microvascular Surgery Service, Department of Orthopaedic Surgery, Massachusetts General Hospital/Harvard Medical School, Boston, MA
10/2011 – Present	Consultant, Hand, Upper Extremity, and Microvascular Surgery Service, Department of Orthopaedic Surgery, Massachusetts General Hospital/Harvard Medical School, Boston, MA
10/2013 – Present	Attending, Hand, Upper Extremity, and Microvascular Surgery Service, Department of Orthopaedic Surgery, New England Baptist Hospital, Boston, MA
6/2017 – Present	Assistant Orthopaedic Surgeon, Harvard University Health Services, Cambridge, MA

ACADMERIC APPOINTMENTS AT HOSPITALS/AFFILIATED INSTITUTIONS

8/2010 – 10/2011	Clinical Instructor, Department of Orthopaedic Surgery, Harvard Medical School, Boston, MA
8/2010 – 7/2012	Clinical Instructor, Department of Orthopaedic Surgery, Tufts University School of Medicine, Boston, MA
8/2012 – Present	Clinical Assistant Professor, Department of Orthopaedic Surgery, Tufts University School of Medicine, Boston, MA
9/2013 – Present	Adjunct Clinical Instructor, Boston University Sargent College of Health and Rehabilitation Sciences, Boston, MA
8/2011 – Present	Clinical Assistant Professor, Massachusetts College of Pharmacy and Health Sciences, Boston, MA
1/2017 – Present	Clinical Associate Professor, Department of Orthopaedic Surgery, Tufts University School of Medicine, Boston, MA

MAJOR ADMINISTRATIVE LEADERSHIP POSITIONS

2013 – Present	Clinical Competency Committee, Department of Orthopaedic Surgery, Tufts University School of Medicine, Boston, MA
2013 – Present	American Society for Surgery of the Hand, Adrian E. Flatt Residents and Fellows Conference Committee
2014 – Present	Assistant Chief, Division of Hand and Upper Extremity Surgery, Department of Orthopaedic Surgery, Newton-Wellesley Hospital/Tufts University School of Medicine, Newton, MA
2015 – Present	Executive Education Committee, Department of Orthopaedic Surgery, Tufts University School of Medicine, Boston, MA
2015 – Present	Co-Director, Resident Education, Department of Orthopaedic Surgery, Newton-Wellesley Hospital/Tufts University School of Medicine, Newton, MA
2015 – Present	President and Director, Hand Surgery Research and Education Foundation
2017 – Present	Acting Chief, Division of Hand and Upper Extremity Surgery, Department of Orthopaedic Surgery, Newton-Wellesley Hospital/Tufts University School of Medicine, Newton, MA
2019 – Present	Dean's Clinical Advisory Board, Boston University's Sargent College of Health and Rehabilitation Sciences, Boston, MA

CONSULTANT APPOINTMENTS

2005 – 2009	Staff Physician, Public School Athletic League Staff Physician, Alvin Ailey Dance Theatre
2007 – 2009	Staff Physician, Madison Square Garden
2012 – Present	Consultant, New England Patriots
2013 – Present	Team Physician, USA National Maccabiah Team
2013 – Present	Consultant, Harvard University Athletic Department
2014 – Present	Consultant, Brandeis University Athletic Department
2014 – Present	Consultant, Babson College Athletic Department
2014 – Present	Consultant, Wentworth Institute of Technology Athletic Department
2015 – Present	Consultant, Wellesley College Athletic Department
2015 – Present	Consultant, Boston College Athletic Department
2016 – Present	Consultant, Resorbium/Ossio Ltd.
2017 – Present	Harvard University Health Services
2017 – Present	Consultant, Postscript
2019 – Present	Consultant, Boston Cannons

CURRENT LICENSURE AND CERTIFICATION

6/2002	USMLE Step I: Passed (243/98)
3/2004	USMLE Step II: Passed (251/99)
2/2005	USMLE Step III: Passed (232/96)
7/2005 – Present	New York State Full Medical Licensure
3/2009 – Present	Massachusetts State Full Medical Licensure
5/2019 – Present	New Jersey State Full Medical Licensure
7/2012 – Present	American Board of Orthopaedic Surgery, Board Certified
9/2013 – Present	Subspecialty Certificate in Surgery of the Hand (formerly Certificate of Added Qualifications in Hand and Upper Extremity Surgery)

PROFESSIONAL SOCIETIES

2005 – 2009	New York State Society of Orthopaedic Surgeons
2012 – Present	Member, American Association for Hand Surgery
2012 – Present	Fellow, American Academy of Orthopaedic Surgeons
2013 – Present	Member, American Society for Surgery of the Hand

2013 – Present Member, International Society for Sport Traumatology of the Hand

EDITORIAL ACTIVITIES

2007 – 2009 Editor, *Bulletin of the NYU Hospital for Joint Diseases*

2012 – Present Consultant Reviewer, *Journal of Hand Surgery*

2012 – Present Consultant Reviewer, *Journal of Bone and Joint Surgery*

2013 – Present Editorial Board, *Journal of Orthopedic Surgery*

2013 – Present Editorial Board, Tarascon Plastic and Reconstructive Surgery Pocketbook

2014 – Present Consultant Reviewer, *Arthroscopy*

2015 – Present Consultant Reviewer, *Techniques in Orthopaedics*

2016 – Present Consultant Reviewer, *HAND*

2016 – Present Consultant Reviewer, *Journal of the American Academy of Orthopaedic Surgeons*

2016 – Present Consultant Reviewer, *Journal of Hand and Microsurgery*

HONORS AND PRIZES

1996 – 2000 Boston University *University Scholar*
Dean's List (all semesters)
Sargent College Professional Contribution Award
Alpha Epsilon Delta National Premedical Honor Society
National Dean's List
Sargent College Honor Society
Golden Key National Honor Society
New Jersey Edward J. Bloustein Distinguished Scholar

2001 NYU School of Medicine Letter of Excellence: Cell Biology of Tissues and Organs Course
NYU School of Medicine AOA Letter of Recommendation: Physiology Course

2004 *Alpha Omega Alpha* Medical Honor Society, Delta Chapter of NYU School of Medicine
NYU School of Medicine Excellence in Musculoskeletal Research Award
NYU School of Medicine Maurice Frieman Memorial Award for Outstanding and Exemplary Work in the Clinical Clerkships

2005 2nd Annual International Pediatric Orthopaedic Symposium (AAOS/POSNA) Resident Scholarship

2007 Eleanor Kauffman Award for Pediatric Orthopaedic Research

2008 Executive Chief Resident, NYU Hospital for Joint Diseases
American Society for Surgery of the Hand (ASSH) Resident and Fellow Scholarship (Integra Foundation)
American Orthopaedic Association Resident Leadership Forum (AOA-OREF-Zimmer)

2009 Eleanor Kauffman Award for Pediatric Orthopaedic Research

2012 American Society for Surgery of the Hand, Young Leaders Program

2012 Patients' Choice Award

2012	Compassionate Doctor Award
2013	Consumer's Research Council of America <i>Guide to America's Top Orthopedists</i>
2014	Consumer's Research Council of America <i>Guide to America's Top Orthopedists</i>
2017	Castle Connolly Top Doctors
2017	Boston Magazine Top Doctors
2018	Castle Connolly Top Doctors
2018	Boston Magazine Top Doctors
2019	Castle Connolly Top Doctors
2019	Boston Magazine Top Doctors

REPORT OF SCHOLARSHIP

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

1. **Ruchelsman DE**; Madan SS; Feldman DS. Genu valgum secondary to focal fibrocartilaginous dysplasia of the distal femur. *Journal of Pediatric Orthopaedics* 2004; 24(4):408-413.
2. Jeong GK; **Ruchelsman DE**; Jazrawi LM; Jaffe WL. Total hip arthroplasty in sickle cell hemoglobinopathies. *Journal of the American Academy of Orthopaedic Surgeons* 2005; 13(3):208-217.
3. **Ruchelsman DE**; Klugman JA; Madan SS, Chorney GS. Anterior dislocation of the radial head with fractures of the olecranon and radial neck in a young child: A Monteggia equivalent fracture-dislocation variant. *Journal of Orthopaedic Trauma* 2005; 19(6):425-428.
4. Feldman DS; Madan SS; **Ruchelsman DE**; Sala DA; Lehman WB. Accuracy of correction of tibia vara: acute versus gradual correction. *Journal of Pediatric Orthopaedics* 2006; 26(6):794-798.
5. Feldman DS; **Ruchelsman DE**; Spencer D; Straight JJ; Schweitzer ME; Axelrod FB. Joint arthropathy as a study of neuropathic joints in Hereditary Sensory and Autonomic Neuropathy Type III and IV. *Journal of Children's Orthopaedics* 2007; 1(7):S101.
6. Vitale MG; Roye BD; **Ruchelsman DE**; Roye DP Jr. Preoperative use of recombinant human erythropoietin in pediatric orthopedics: a decision model for long-term outcomes. *Spine J.* 2007; 7(3):292-300.
7. **Ruchelsman DE**; Feldman DS. Minimizing osteotomy related complications for abductor sparing periacetabular osteotomy using C-arm image intensification. *Orthopedics* 2007; 30(6):467-471.
8. **Ruchelsman DE**; Lee SK; Posner MA. Failed surgery for ulnar nerve compression at the elbow. *Hand Clinics* 2007; 23(3):359-371.
9. Badra MI; Anand A; Straight JJ; Sala DA; **Ruchelsman DE**; Feldman DS. Functional outcome following Bernese periacetabular osteotomy. *Orthopedics* 2008; 31(1):69.
10. Gruson KI; **Ruchelsman DE**; Zuckerman JD. Subacromial corticosteroid injections. *Journal of Shoulder and Elbow Surgery* 2008; 17(1S):118S-130S.
11. Gruson KI; **Ruchelsman DE**; Tejawani NC. Isolated tuberosity fractures of the proximal humerus: current concepts. *Injury* 2008; 39(3):284-298.
12. Baskies MA; **Ruchelsman DE**; Capeci CM; Zuckerman JD; Egol KA. Operative experience in an orthopaedic surgery residency program: the effect of work hour restrictions. *Journal of Bone and Joint Surgery-Am* 2008; 90(4):924-927.

13. Madan SS; **Ruchelsman DE**; Jeong J; Lehman WB; Feldman DS. The Bernese periacetabular osteotomy for acetabular dysplasia and the role of version of the hip. *Journal of Bone and Joint Surgery-Br Proceedings* 2008; 90:21.
14. Madan SS; van Bosse H; Feldman DS; **Ruchelsman DE**; Koval KJ; Lehman WB. Computer assisted six axes deformity correction and limb reconstruction with the Taylor Spatial Frame. *Journal of Bone and Joint Surg-Br Proceedings* 2008; 90:21-22.
15. Madan SS; **Ruchelsman DE**; Feldman DS; Lehman WB. Correction of complex congenital deformities with the Taylor Spatial Frame. *Journal of Bone and Joint Surgery-Br Proceedings* 2008; 90:22.
16. **Ruchelsman DE**; Tejwani NC; Kwon YW; Egol KA. Open reduction and internal fixation of capitellar fractures with headless screws. *Journal of Bone and Joint Surgery-Am* 2008; 90(6):1321-1329.
17. Grossman JA; **Ruchelsman DE**; Schwarzkopf R. Iatrogenic spinal accessory nerve injury in children. *Journal of Pediatric Surgery* 2008; 43(9):1732-1735.
18. **Ruchelsman DE**; Tejwani NC; Kwon YW; Egol KA. Coronal plane partial articular fractures of the distal humerus: current concepts in management. *Journal of the American Academy of Orthopaedic Surgeons* 2008; 16(12):716-728.
19. Feldman DS; **Ruchelsman DE**; Spencer DB; Straight JJ; Schweitzer ME; Axelrod FB. Peripheral arthropathy in Hereditary Sensory and Autonomic Neuropathy Types III and IV. *Journal of Pediatric Orthopaedics* 2009; 29(1):91-97.
20. **Ruchelsman DE**; Tejwani NC; Kwon YW; Egol KA. Open reduction and internal fixation of capitellar fractures with headless screws: Surgical Technique. *Journal of Bone and Joint Surgery—Am* 2009; 91(Suppl 2 Pt 1):38-49.
21. **Ruchelsman DE**; Pettrone S; Price AE; Grossman JAI. Brachial plexus birth injuries: an overview of early treatment considerations. *Bulletin of the NYU Hospital for Joint Diseases* 2009;67(1):83-9.
22. **Ruchelsman DE**; Pasqualetto, M; Price AE; Grossman JA: Persistent posterior interosseous nerve palsy associated with a chronic Type I Monteggia fracture-dislocation in a child. *HAND* 2009; 4(2):167-72.
23. **Ruchelsman DE**; Lee SK. Neurovascular injuries of the hand in athletes. *Current Orthopaedic Practice* 2009; 20(4):409-415.
24. **Ruchelsman DE**; Raskin KB; Rettig ME. Outcome following acute primary distal ulna resection for comminuted fractures of the distal ulna at the time of operative fixation of unstable fractures of the distal radius. *HAND* 2009; 4(4):391-396.
25. **Ruchelsman DE**; Ramos LE; Valencia H; Alfonso I; Price AE; Grossman A; Grossman JA. Outcome following spinal accessory to suprascapular nerve transfer in infants with brachial plexus birth injuries. *HAND* 2009; In Press.
26. **Ruchelsman DE**; Laino D; Chhor KC; Steiner GC; Kenan S. Digital intraosseous epidermoid inclusion cyst of the distal phalanx. *Journal of Hand and Microsurgery* 2010; 2(1):24-27.
27. **Ruchelsman DE**; Christoforou DC; Rokito AS. Ipsilateral nonunions of the coracoid process and distal clavicle: a rare shoulder girdle fracture pattern. *Bulletin of the NYU Hospital for Joint Diseases* 2010; 68(1):33-7.
28. **Ruchelsman DE**; Mudgal CS; Jupiter JB. The role of locking technology in the hand. *Hand Clinics* 2010; 26(3):307-319.
29. **Ruchelsman DE**; Hall M; Youm T. Osteochondritis dissecans of the capitellum: current concepts. *Journal of the American Academy of Orthopaedic Surgeons* 2010; 18: 557-567.
30. **Ruchelsman DE**, Price AE, Valencia H, Ramos LE, Grossman JA. Sensory restoration by lateral antebrachial cutaneous to ulnar nerve transfer in children with global brachial plexus injuries. *Hand* 2010; 5(4):370-3.
31. **Ruchelsman DE**; Hazel A; Mudgal CS. Treatment of symptomatic distal interphalangeal joint arthritis with percutaneous arthrodesis: a novel technique in select patients. *Hand* 2010; 5(4):434-9.
32. **Ruchelsman DE**, Grossman JA, Price AE. Glenohumeral deformity in children with brachial plexus birth injuries. *Bull NYU Hosp Jt Dis* 2011; 69(1):36-43.
33. Kpodzo DS, Calderwood MS, **Ruchelsman DE**, Abramson JS, Piris A, Winograd JM, Kotton CN. Primary subcutaneous *Alternaria alternata* infection of the hand in an immunocompromised host. *Med Mycol.* 2011; 49(5):543-7.

34. **Ruchelsman DE**; Christoforu D; Wasserman B; Lee SK; Rettig ME. Avulsion injuries of the flexor digitorum profundus. *Journal of the American Academy of Orthopaedic Surgeons* 2011; 19(3):152-62.
35. Guitton TG; Ring D; **Science of Variation Group**. Interobserver reliability of radial head fracture classification: two-dimensional compared with three-dimensional CT. *J Bone Joint Surg Am.* 2011; 93(21):2015-21.
36. **Ruchelsman DE**; Ramos LE, Price AE, Grossman LA, Valencia H, Grossman JA. Outcome after tendon transfers to restore wrist extension in children with brachial plexus birth injuries. *J Pediatr Orthop* 2011; 31(4):455-7.
37. Gardner S; **Ruchelsman DE**; Mudgal CS. Concomitant high-energy fractures of the distal radius and hook of hamate. *Journal of Hand Surgery-European* 2012; 37(4):366-7.
38. Belsky MR; Leibman MI; **Ruchelsman DE**. Management of scaphoid fractures in the elite athlete. *Hand Clinics* 2012; 28(3):269-78.
39. Hofmann K; **Ruchelsman DE**. Symptomatic neural loop causing hemidigital anesthesia. *Journal of Hand Surgery* 2012; 37(10):1994-6.
40. ten Berg P; Mudgal CS; Leibman MI; Belsky MR; **Ruchelsman DE**. Quantitative 3D-CT analyses of intramedullary headless screw fixation for metacarpal neck fractures. *J Hand Surg Am.* 2013;38(2):322-330.
41. **Ruchelsman DE**; Christoforu D; Jupiter JB. Fractures of the radial head and neck. *J Bone Joint Surg Am.* 2013; 95(5):469-78.
42. Doornberg JN; Guitton TG; Ring D; **Science of Variation Group**. Diagnosis of elbow fracture patterns on radiographs: interobserver reliability and diagnostic accuracy. *Clin Orthop Relat Res.* 2013;471(4):1373-8.
43. Hageman MG, Becker SJ, Bot AG, Guitton T, Ring D; **Science of Variation Group**. Variation in recommendation for surgical treatment for compressive neuropathy. *J Hand Surg Am.* 2013;38(5):856-62
44. Altobelli GG; Conneely S; Haufler C; Walsh M; **Ruchelsman DE**. Outcomes of zone IV and V and thumb zone T1 to TIV extensor tendon repairs using a running interlocking horizontal mattress technique. *J Hand Surg Am.* 2013;38(6):1079-83.
45. Altobelli GG; **Ruchelsman DE**; Belsky MR; Graham T; Asnis P; Leibman MI. Adductor pollicis tears in the professional baseball player: 2 case reports. *J Hand Surg Am.* 2013;38(6):1181-4.
46. Gradl G; Neuhaus V; Fuchsberger T; Guitton TG; Prommersberger KJ; Ring D; **Science of Variation Group**. Radiographic diagnosis of scapholunate dissociation among intra-articular fractures of the distal radius: interobserver reliability. *J Hand Surg Am.* 2013; 38(9):1685-90.
47. Waters MJ; **Ruchelsman DE**; Belsky MR; Leibman MI. Headless bone screw fixation for combined volar lunate facet distal radius fracture and capitate fracture: case report. *J Hand Surg Am.* 2014; 39(8):1489-93.
48. Tosti R, Ilyas AM, Mellema JJ, Guitton TG, Ring D; **Science of Variation Group**; **Science of Variation Group**. Interobserver variability in the treatment of little finger metacarpal neck fractures. *J Hand Surg Am.* 2014; 39(9):1722-7.
49. Hageman MG, Kinaci A, Ju K, Guitton TG, Mudgal CS, Ring D; **Science of Variation Group**. Carpal tunnel syndrome: assessment of surgeon and patient preferences and priorities for decision-making. *J Hand Surg Am.* 2014; 39(9):1799-1804.
50. Bot AGJ; Bossen J; Herndon JH; **Ruchelsman DE**; Ring DC; Vranceanu A. Informed shared decision making and patient satisfaction. *Psychosomatics* 2014. 55(6):586-94.
51. **Ruchelsman DE**; Feinberg-Zadek N; Leibman MI; Belsky MR. Clinical outcomes of limited-open retrograde intramedullary headless screw fixation of metacarpal fractures. *J Hand Surg Am.* 2014; 39(12):2390-5.
52. Clain J; Leibman MI; Belsky MR; **Ruchelsman DE**. Ultrasound guidance of steroid injections. *J Hand Surg Am.* 2014; 39(12):2498-2501.
53. Döring AC, Hageman MG, Mulder FJ, Guitton TG, Ring D; **Science of Variation Group**. Trigger finger: assessment of surgeon and patient preferences and priorities for decision making. *J Hand Surg Am.* 2014; 39(11):2208-2213.
54. Mellema JJ, Doornberg JN, Guitton TG, Ring D; **Science of Variation Group**. Biomechanical studies: science (f)or common sense? *Injury.* 2014; 45(12):2035-9.

55. Muppavarapu R; Rajee S; **Ruchelsman DE**; Belsky MR. Open carpal tunnel release with use of a nasal turbinate speculum. *American Journal of Orthopaedics* 2015; 44(11):495-8.
56. Vitale MA; Seetharamen M; **Ruchelsman DE**. Perilunate dislocations. *J Hand Surg Am.* 2015; 40(2):358-62.
57. Waters MJ; Belsky MR; Blazar P; Leibman MI; **Ruchelsman DE**. Collagenase enzymatic fasciotomy for Dupuytren's contracture in patients on chronic immunosuppression. *American Journal of Orthopaedics* 2015; 44(11):518-21.
58. Muppavarapu R; Waters M; Leibman ML. Belsky MR; **Ruchelsman DE**. Clinical outcomes following collagenase injections compared to fasciectomy in the treatment of Dupuytren's contracture. *Hand* 2015; 10(2):260-5.
59. Becker SJ; Bruinsma WE; Guitton TG; van der Horst CM; Strackee SD; Ring D; **Science of Variation Group**. Interobserver Agreement of the Eaton-Glickel Classification for Trapeziometacarpal and Scaphotrapezoidal Arthrosis. *J Hand Surg Am.* 2016; S0363-5023(15)01631-7.
60. Vitale M; Conroy C; **Ruchelsman DE**. Extensor carpi ulnaris instability in athletes—diagnosis and treatment. *Operative Techniques in Sports Medicine* 2016; 24:139-147.
61. **Ruchelsman DE**; Vitale M. Extensor carpi ulnaris subsheath reconstruction. *Journal of Hand Surgery* 2016; 41(11): e433-e439.
62. Liu B; Barrazuetta G; **Ruchelsman DE**. Exertional compartment syndrome in athletes. *Journal of Hand Surgery* 2017; 42(11): 917-923.
63. Vitale M; Clain J; **Ruchelsman DE**. Ulnar nerve complications following ulnar collateral ligament reconstruction: a comprehensive review. *American Journal of Sports Medicine* 2019; 47(5): 1263-1269.
64. Warrender WJ; **Ruchelsman DE**; Mudgal CS; Rivlin M. Low rate of complications following intramedullary headless compression screw fixation for metacarpal fractures. *Hand* 2019, In Press.
65. Eisenberg G; Clain J; Leibman M; Belsky N; **Ruchelsman DE**. Clinical outcomes of limited open intramedullary headless screw fixation of metacarpal fractures in 91 consecutive patients. *Hand* 2019, In Press

CHAPTERS

- Belsky M; **Ruchelsman DE**; Leibman M. Surgery Management of Extra-articular Hand Fractures. *Rehabilitation of the Hand and Upper Extremity, 7th Edition*. Ed. Skirven, Osterman, Fedorczyk, Amadio, Feldscher and Shin, 2019
- Ruchelsman DE**; Mudgal CS. Metacarpals Intramedullary Fixation. *Hand Surgery: Tricks of the Trade, 1st Edition*. Ed. Pedro K. Beredjikian. 2018
- Chao N; **Ruchelsman DE**. Ulnar nerve decompression at the Elbow. *Hand Surgery: Tricks of the Trade, 1st Edition*. Ed. Pedro K. Beredjikian. 2018
- Ruchelsman DE**; Bindra R. Hand Fractures and Dislocations, *Skeletal Trauma, 6th Edition*. Browner and Jupiter. 2018
- Ruchelsman DE**; Leibman ML; Belsky MR. Operative Fixation of Juxta-articular, Intracapsular and Diaphyseal Fractures of the Phalanges and Interphalangeal Joints. *Master Techniques in Orthopaedic Surgery: The Hand*. Ed. Maschke, Evans, and Graham. 2015
- Ruchelsman DE**; Bindra R. Hand Fractures and Dislocations, *Skeletal Trauma, 5th Edition*. Ed. Browner and Jupiter. 2014
- Ruchelsman DE**; Belsky MR. Tendon ruptures in elite athletes. *The Comprehensive Care of the High Level Athlete: A Masters Skills Publication*. Published by: American Society for Surgery of the Hand, Rosemont, IL 2014
- Hayden B; **Ruchelsman DE**. The Evaluation and Management of Fractures of the Capitellum, in *Clinical Decision Support System on Shoulder and Elbow, 1st Edition*. Ed. Zuckerman, Oh, and Strauss, 2014
- Prokuski V; Leibman M; **Ruchelsman DE**. Compressive ulnar neuropathy at the elbow, in *Clinical Decision Support System on Shoulder and Elbow, 1st Edition*. Ed. Zuckerman, Oh, and Strauss, 2014

Ruchelsman DE; Ring DC. Adult supracondylar humerus fractures, in *Orthopaedic Trauma Call for the Attending Surgeon*. Ed. Hak, Ipaktchi, and Morgan. 2013

Ruchelsman DE; Mudgal CS, Ring DC. Arthrodesis in the digits. In: Glickel SZ, Bernstein RA (Eds.): *Arthritis of the Hand and Upper Extremity: A Master Skills Publication*. American Society for Surgery of the Hand, Rosemont, IL 2011, pp. 89-102.

Ruchelsman DE; Raskin KB; Rettig ME. Galeazzi Fracture-Dislocations, in *Fractures and Injuries of the Distal Radius and Carpus: The Cutting Edge*, 1st Edition. Ed. DJ Slutsky and AL Osterman. Elsevier Health Sciences; 2008.

Raskin KB; Rettig ME; **Ruchelsman DE**. Galeazzi Fracture-Dislocations, in *The Wrist: Diagnosis and Operative Treatment*, 2nd Edition. WP Cooney, ed. Mosby; 2010.

TEACHING VIDEOS

Ruchelsman DE; Tejwani NC; Kwon YW; Egol KA. Open reduction and internal fixation of capitellar fractures with headless screws. *Video Journal of Orthopaedics*; December 2009; Video # 2524

ABSTRACTS AND POSTER PRESENTATIONS

Eisenberg G; Belsky MR; Leibman MI. **Ruchelsman DE**; Excision of hamate fractures in elite baseball players: outcomes and surgical technique.

- Podium Presentation at the 2017 8th Asia Pacific Congress on Sport Technology, Tel Aviv, Israel October 2017
- Podium Presentation at the 2017 Israeli Orthopaedic Association, Tel Aviv, Israel December 2017
- Poster Presentation at the 2018 American Association of Hand Surgery, Phoenix, AZ January 2018
- Poster Presentation 2018 American Society for Surgery of the Hand, Boston, MA September 2018

Eisenberg G; Barrazuetta G; Belsky MR; **Ruchelsman DE** Outcomes following total distal radioulnar joint reconstruction with the Scheker prosthesis

- Podium Presentation at the 2017 Israeli Orthopaedic Association, Tel Aviv, Israel December 2017

Eisenberg G; Clain JB; Feinberg- Zadek N; Leibman M; Belsky M; **Ruchelsman DE**.

Clinical outcome of limited intramedullary headless screw fixation of metacarpal fractures: 91 consecutive patients.

- Podium Presentation at the 2017 Israeli Orthopaedic Association, Tel Aviv, Israel December 2017
- Poster Presentation at the 2018 American Association of Hand Surgery, Phoenix, AZ January 2018
- Poster Presentation 2018 American Society for Surgery of the Hand, Boston, MA September 2018

Ruchelsman DE; Leibman M; Belsky M. Eisenberg G. Expedited return to play following intramedullary headless screw fixation of metacarpal fractures in elite athletes.

- Podium Presentation at the 2017 8th Asia Pacific Congress on Sport Technology, Tel Aviv, Israel October 2017
- Podium Presentation at the 2018 American Association for Hand Surgery Annual Meeting, Phoenix, AZ January 2018
- Poster Presentation 2018 American Society for Surgery of the Hand, Boston, MA September 2018

Warrender WJ; **Ruchelsman DE**; Livesey M; Mudgal CS; Rivlin M. Low rate of complications following intramedullary headless compression screw fixation for metacarpal fractures.

- Poster Presentation at the 2018 American Association of Hand Surgery, Phoenix, AZ January 2018
- Poster Presentation 2018 American Society for Surgery of the Hand, Boston, MA September 2018

Vitale M; Clain J; **Ruchelsman DE**. Ulnar nerve complications following ulnar collateral ligament reconstruction: a comprehensive review.

- Podium Presentation at the 2017 American Association for Hand Surgery Annual Meeting, Waikoloa, HI January 2017
- Podium Presentation at the 2017 American Society for Surgery of the Hand Annual Meeting, San Francisco, CA September 2017

Colacchio N; **Ruchelsman DE**; Belsky MR; Leibman MI. Excision of hamate fractures in elite baseball players: outcomes and a review of the surgical technique.

- Podium presentation Orthopaedic Summit Evolving Techniques; Las Vegas, NV. December 2015

Altobelli G; Model Z; Lee SK; **Ruchelsman DE** Outcomes of FDP Fixation to the Distal Phalanx using the Anchor-Button Technique.

•Poster presentation at the 6th Combined Meeting of the American Society for Surgery of the Hand and Japanese Society for Surgery of the Hand, Maui, HI. April 2015

Waters M; Muppavarapu R; Leibman ML. Belsky MR; **Ruchelsman DE**. Outcomes following surgical fasciectomy and collagenase enzymatic fasciectomy for Dupuytren's contracture.

•Podium presentation at the 2014 American Association for Hand Surgery Annual Meeting, Kauai, HI. January 2014.

•Podium presentation at the 69th Annual Meeting of the American Society for Surgery of the Hand, Boston, MA. September 2014

Puri S; Leibman MI; Belsky MR; **Ruchelsman DE**. Clinical outcomes of limited-open retrograde intramedullary headless screw fixation of metacarpal fractures. Newton-Wellesley Hospital/Tufts University School of Medicine.

•Poster presentation at the 2013 American Association for Hand Surgery Annual Meeting, Naples, FL. January 2013

•Poster presentation at the 69th Annual Meeting of the American Society for Surgery of the Hand, Boston, MA. September 2014

Muppavarapu R; **Ruchelsman DE**; Belsky MR. Open carpal tunnel release with use of a nasal turbinate speculum. Hand Surgery, P.C., Newton-Wellesley Hospital/Tufts University School of Medicine.

•Poster presentation at the 30th Annual Adrian E. Flatt Residents and Fellows Conference at the American Society for Surgery of the Hand Annual Meeting, Chicago, IL. September 2012

•Poster presentation at the 2013 American Association for Hand Surgery Annual Meeting, Naples, FL. January 2013

Puri S; ten Berg P; Mudgal CS; Leibman MI; Belsky MR; **Ruchelsman DE**. Quantitative 3D-CT analyses of intramedullary headless screw fixation of metacarpal neck fractures. Massachusetts General Hospital/Harvard Medical School and Newton-Wellesley Hospital/Tufts University School of Medicine.

•Podium presentation at the AO North America 2012 *Challenges in Fracture Care Across Disciplines* Meeting, Lake Buena Vista, FL. February 23-25, 2012.

•Poster presentation at the 30th Annual Adrian E. Flatt Residents and Fellows Conference at the American Society for Surgery of the Hand Annual Meeting, Chicago, IL. September 2012

•Poster presentation at the 2013 American Association for Hand Surgery Annual Meeting, Naples, FL. January 2013

•Podium presentation at the 2013 American Academy of Orthopaedic Surgeons Annual Meeting, Chicago, IL. March 2013

Altobelli G; Conneely S; Haufler C; Walsh M; **Ruchelsman DE**. Outcomes of zone IV/V and TI to TIV extensor tendon repair using running interlocking horizontal mattress technique. Newton-Wellesley Hospital/Tufts University School of Medicine.

•Podium presentation at the 2013 American Association for Hand Surgery Annual Meeting, Naples, FL. January 2013

Waters MJ; Belsky MR; Blazar P; Leibman MI; **Ruchelsman DE**. Collagenase enzymatic fasciotomy for Dupuytren's contracture in patients on chronic immunosuppression.

•Poster presentation at the 2013 American Society for Surgery of the Hand Annual Meeting, San Francisco, CA. October 2013.

Licata S; **Ruchelsman DE**. Antibiotic bone cement in the treatment of hand osteomyelitis. Newton-Wellesley Hospital/Tufts University School of Medicine.

•Poster presentation at the 2013 American Association for Hand Surgery Annual Meeting, Naples, FL. January 2013

Bot AGJ; Bossen J; Herndon JH; **Ruchelsman DE**; Ring DC; Vranceanu A. Informed shared decision making and patient satisfaction. Massachusetts General Hospital/Harvard Medical School.

Hofmann K; **Ruchelsman DE**. Symptomatic neural loop causing hemidigital anesthesia. Newton-Wellesley Hospital/Tufts University School of Medicine.

•Podium presentation at the 40th New England Hand Society Annual Meeting, Sturbridge, MA. December 7, 2012.

Ruchelsman DE; Monica JT; Mudgal CS. Mini-open headless compression screw fixation of displaced, unstable metacarpal neck fractures: novel technique in select patients. Massachusetts General Hospital/Harvard Medical School.

•Podium presentation at the 28th Annual Adrian E. Flatt Residents and Fellows Conference at the American Society for Surgery of the Hand Annual Meeting, Boston, MA. October 6, 2010

•Podium presentation at the 11th Triennial Congress of the International Federation of Societies for Surgery of the Hand (IFSSH 2010), Seoul, Korea. October 31, 2010.

Ruchelsman DE; Hazel A; Mudgal CS. Treatment of symptomatic distal interphalangeal joint arthritis with percutaneous arthrodesis: a novel technique in select patients. Massachusetts General Hospital/Harvard Medical School.

•Podium presentation at the 37th New England Hand Society Annual Meeting, Sturbridge, MA. December 4, 2009

•Poster presentation at the 28th Annual Adrian E. Flatt Residents and Fellows Conference at the American Society for Surgery of the Hand Annual Meeting, Boston, MA. October 6, 2010

•Podium presentation at the 11th Triennial Congress of the International Federation of Societies for Surgery of the Hand (IFSSH 2010), Seoul, Korea. October 31, 2010.

Ruchelsman DE; Ramos LE; Price AE; Grossman A; Grossman JAI. Outcomes following tendon transfers to restore wrist extension in children with brachial plexus birth injuries. NYU Hospital for Joint Diseases and Brachial Plexus and Peripheral Nerve Program, Miami Children's Hospital.

- Podium presentation at the 27th Annual Adrian E. Flatt Residents and Fellows Conference at the American Society for Surgery of the Hand Annual Meeting, San Francisco, CA. September 2, 2009

Gardner S; **Ruchelsman DE**; Mudgal CS. Concomitant high energy fractures of the distal radius and hook of hamate: case series of four patients. Massachusetts General Hospital/Harvard Medical School.

- Poster presentation at the AO North America 2010 *Challenges in Fracture Care Across Disciplines* Meeting, Phoenix, AZ. November 11-14, 2010.

Grossman JAI; Price AE; Ramos LE; **Ruchelsman DE**. Multidisciplinary management strategies for brachial plexus birth injuries. NYU Hospital for Joint Diseases and Brachial Plexus and Peripheral Nerve Program, Miami Children's Hospital.

- Instructional course lecture at the 64th Annual Combined Meeting of the American Society for Surgery of the Hand and the American Society of Hand Therapists, San Francisco, CA. September 3-5, 2009

Ruchelsman DE; Mackay B; Walsh MG; Bechtel C; Paksima N; Egol KA. Outcomes following open fractures of the distal radius. NYU Hospital for Joint Diseases.

- Poster presentation at the 25th Orthopaedic Trauma Association Annual Meeting, San Diego, CA. October 7-10, 2009

- Podium presentation at the American Academy of Orthopaedic Surgeons Annual Meeting. New Orleans, LA. March 9-13, 2010

Ruchelsman DE; Raskin KB; Rettig ME. Outcome following acute primary distal ulna resection for comminuted fractures of the distal ulna at the time of operative fixation of unstable fractures of the distal radius. NYU Hospital for Joint Diseases.

- Podium presentation at the 39th American Association for Hand Surgery Annual Meeting, Maui, Hawaii. January 7-10, 2009

Ruchelsman DE; Ramos LE; Valencia H; Price AE; Grossman A; Grossman JAI. Outcome following distal spinoscapular nerve transfer in infants with brachial plexus birth injuries. NYU Hospital for Joint Diseases and Brachial Plexus and Peripheral Nerve Program, Miami Children's Hospital.

- Podium presentation at the 26th Annual Adrian E. Flatt Residents and Fellows Conference at the American Society for Surgery of the Hand Annual Meeting, Chicago, IL. September 17, 2008

- Poster presentation at the 63rd American Society for Surgery of the Hand Annual Meeting, Chicago, IL. September 18-20, 2008

- Podium presentation at the Israeli Orthopaedic Association, Jerusalem, Israel. December 17-19, 2008

- Podium presentation at the Pediatric Orthopaedic Society of North America, Boston, MA. April 30-May 1, 2009

Schwarzkopf R; **Ruchelsman DE**; Grossman JAI. Operative treatment of iatrogenic spinal accessory nerve injuries in children. NYU Hospital for Joint Diseases and Brachial Plexus and Peripheral Nerve Program, Miami Children's Hospital.

- Podium presentation at the 26th Annual Adrian E. Flatt Residents and Fellows Conference at the American Society for Surgery of the Hand Annual Meeting, Chicago, IL. September 17, 2008

- Podium presentation at the Israeli Orthopaedic Association, Jerusalem, Israel. December 17-19, 2008

Ruchelsman DE; Tejwani NC; Kwon YW; Egol KA. Open reduction and internal fixation of capitellar fractures: do fracture-type and associated injury to the lateral column affect outcome? NYU Hospital for Joint Diseases.

- Podium presentation at the 7th Annual OREF Resident Research Symposium. New York, NY. May 25, 2007

- Poster presentation at the 62nd American Society for Surgery of the Hand Annual Meeting. Seattle, WA. September 27-29, 2007

- Podium presentation at the 25th Annual Adrian E. Flatt Residents and Fellows Conference at the American Society for Surgery of the Hand Annual Meeting, Seattle, WA. September 26, 2007

Feldman DS; Madan SS; **Ruchelsman DE**; Sala DA; Lehman WB; Koval KJ. Accuracy of correction of tibia vara: acute versus gradual correction. NYU Hospital for Joint Diseases.

- Podium presentation at the 13th Annual Meeting of the Limb Lengthening and Reconstruction Society: Association for the Study and Application of the Methods of Ilizarov (LLRS:ASAMI)-North America. Boston, MA. July 25-27, 2003

- Podium presentation at the American Academy of Pediatrics National Conference Section on Orthopaedics. New Orleans, LA. November 1-5, 2003

- Poster presentation at the 30th Annual Eastern-Atlantic Student Research Forum. Miami, FL. February 25-28, 2004. *Awarded First Place for Outstanding Clinical Science Poster Presentation*

- Podium presentation at the 6th Annual OREF Resident Research Symposium. New York, NY. May 22, 2006

Ruchelsman DE; Madan SS; Feldman DS. Minimizing osteotomy related complications for the abductor sparing periacetabular osteotomy utilizing C-arm image intensification. NYU Hospital for Joint Diseases.

- Podium presentation at the Pediatric Orthopaedic Club of New York (POCNY) Annual Meeting. New York, NY. May 2002

- Podium presentation at the British Orthopaedic Association Annual Meeting. Birmingham, England. September 17-19, 2003

•Podium presentation at the American Academy of Pediatrics National Conference Section on Orthopaedics. New Orleans, LA. November 1-5, 2003

Roye BD; Vitale MG; **Ruchelsman DE**; Moskowitz AJ; Roye DP. Preoperative use of erythropoietin in pediatric orthopaedics: a decision model for long-term outcomes. New York Orthopaedic Hospital-Columbia University College of Physicians and Surgeons and International Center for Health Outcomes and Innovation Research.

•Podium presentation at the Pediatric Orthopaedic Club of New York (POCNY) Annual Meeting, New York, NY. May 2001

Ruchelsman DE; Axelrod FB; Feldman DS. Osteonecrosis mimicking Charcot joints as the cause of peripheral arthropathy in Familial Dysautonomia. NYU Hospital for Joint Diseases.

•Podium presentation at the American Academy of Pediatrics National Conference Section on Orthopaedics. New Orleans, LA. November 1-5, 2003

•Podium presentation at the Pediatric Orthopaedic Society of North America Annual Meeting. St. Louis, MO. April 29-May 1, 2004

Feldman DS; **Ruchelsman DE**; Spencer D; Straight JJ; Schweitzer ME; Axelrod FB. Joint arthropathy as a study of neuropathic joints in HSAN Type III and IV. NYU Hospital for Joint Diseases.

•Poster presentation at the American Academy of Orthopaedic Surgeons Annual Meeting. Chicago, IL. March 22-26, 2006

•Poster presentation at the European Pediatric Orthopaedic Society Annual Meeting. Sorrento, Italy. April 11-14, 2007

INVITED FACULTY

- 2018 Clinical Orthopaedic Society, Austin, TX, Hand Faculty
- 2017 AO Hand and Wrist Course, Boston, MA, phalangeal fractures
- 2017 MGH Sports Medicine Ulnar sided wrist pain in the elite athlete
- 2017 Harvard University Sports Medicine Ulnar sided wrist pain in the elite athlete
- 2017 Boston University Sports Medicine Ulnar sided wrist pain in the elite athlete
- 2015 American Society Surgery of the Hand Instructional Course Faculty: Wrist Arthroscopy
- 2015 American Society Surgery of the Hand Instructional Course Faculty: Ulnar sided wrist trauma associated with distal radius fractures
- 2014 American Academy of Orthopaedic Surgery Instructional Course Faculty: Operative Treatment of Fractures and Dislocations of the Hand: Contemporary Perspectives
- 2014 MGH/Harvard Medical School Sports Medicine Conference Course Faculty: Hand and Wrist Injuries in the Athlete

- 2014 Harvard University Athletics

- 2014 Boston University Athletics

Teaching related to Hand and Upper Extremity Surgery

Newton-Wellesley Hospital/Tufts University School of Medicine (Newton, MA)

Faculty, Weekly combined hand surgery and hand therapy conference (2010-Present)

Faculty Preceptor, Tuft University School of Medicine Clinical Research Elective (2010 — Present)

Faculty, Tufts University School of Medicine Clinical Elective (2010 – Present)

Massachusetts General Hospital/Harvard Medical School (Boston, MA)

Faculty, MGH Hand and Upper Extremity Service (2009-2012)

Harvard University Department of Sports Medicine (Cambridge, MA)

Consultant and Lecturer, Division of Athletic Training

Boston University (Boston, MA)

Lecturer, Boston University's Sargent College of Health and Rehabilitation Sciences (2010 – Present)

Preceptor, Boston University's Sargent College of Health and Rehabilitation Sciences Clinical Internship (2011 — Present)