

MARK F. SCHINSKY, M.D., FAAOS, CIME

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Medical Education:

College of Physicians & Surgeons
Columbia University, New York, NY
M.D., May 2001

Undergraduate Education:

Goizueta Business School
Emory University, Atlanta, GA
BBA, Entrepreneurship, May 1996

Postgraduate Training:

General and Orthopaedic Surgery Internship, 2001-2002
Departments of General and Orthopaedic Surgery
Barnes-Jewish Hospital, Washington University, St. Louis, MO

Orthopaedic Surgery Residency, 2002-2006
Department of Orthopaedic Surgery
Barnes-Jewish Hospital, Barnes-Jewish West County Hospital,
St. Louis Children's Hospital, & Shriners Hospital for Children
Washington University, St. Louis, MO
Outstanding Resident Educator Graduation Award Recipient

Adult Joint Reconstruction Fellowship, 2006-2007
Department of Orthopaedic Surgery
Midwest Orthopaedics at Rush (MOR)
Rush University Medical Center &
Central DuPage Hospital, Chicago, IL
Multiple Research Endeavors

Recent Positions:

Director of Complex Hip and Knee Replacement, 2022-Present
American Hip Institute & Orthopaedic Specialists, Chicago, IL
On staff at area hospitals and ASCs
Specializing in minimally invasive, complex primary, and
revision adult reconstructive joint surgery.

Attending Physician, 2007-2021
RUSH - Castle Orthopaedics/Castle Orthopaedics & Sports
Medicine, S.C., Aurora, IL (Integration in 2016)
On staff at Rush Copley Medical Center, Aurora, IL and
Edward Hospital & Health Services, Naperville, IL

Medical Director, 2008-2021
Center for Joint Reconstruction and Replacement
RUSH - Rush Copley Medical Center, Aurora, IL

Medical Director, 2015-2021
Castle SurgiCenter, LLC
RUSH - Castle Orthopaedics, Aurora, IL

Medical Director, 2018-2021
Fracture Liaison Service
RUSH - Rush Copley Medical Center, Aurora, IL

**Prior/Current Hospital
Committees and Awards:**

Chair, Hospital Quality Committee, Rush-Copley Medical Center
Medical Executive Committee, Rush-Copley Medical Center
Anticoagulation Committee, Rush-Copley Medical Center
Surgery Steering Committee, Rush-Copley Medical Center
Marshall Steele Joint Leadership, Edward Hospital
Rush-Copley 2010 Quality/Safety Award Recipient
Rush-Copley 2014 Patient Satisfaction Award Recipient
Rush-Copley 2017 Patient Satisfaction Award Recipient

**Medical School Honors
& Activities:**

Louis Gibofsky Memorial Commencement Award for Research
Kosciuszko Foundation Award Recipient (1998, 1999)
Milton B. Rosenbluth Foundation Grant Recipient (2000)
Dr. Roland I. Grausman Scholarship
CDC 'Special Project' Award Recipient (1998)
Orthopaedic Surgery Research
Dean's Advisory Committee
Financial Aid Committee Student Representative
Clinical Transition Committee
Clerkship Survival Guide Editor and Contributor
Golf Club Founder and Chairperson
Admission's Office Host, Contact, & Tour Guide
Member of Outdoor, Surgery, & Emergency Medicine Clubs

**Undergraduate Honors
& Activities:**

Graduated with Distinction
Dean's List Every Semester
USAA-All American Scholar
Westlake Foundation Award Recipient
Alpha Epsilon Delta, Pre-Med. Honors Society
Poster Presenter - 1996 American Society
for Microbiology National Meeting in New Orleans
Greater Atlanta Fencing Tournament Medalist (1995)
Numerous Club and Intramural Athletic Involvement

Work Experience:Surgeon Champion, 2014-2019

Illinois Surgical Quality Improvement Collaborative
American College of Surgeons, NSQIP 2014-2018
Agency for Healthcare Research and Quality
Improving Surgical Care and Recovery 2018-2019
Rush-Copley Medical Center, Aurora, IL

Consultant, 2005-2013

MEDACorp, Leerink Swann & Company, Boston, MA
Provide investment managers and Life Science company
managers information and analysis of emerging medical
products. Assess the viability of cutting-edge medical
technologies. Impart perspective on rising trends in the
Orthopaedic and healthcare industries.

Visiting Scientist, Summer 1998

Actinomycetes Reference Laboratory
Centers for Disease Control and Prevention, Atlanta, GA
Used DNA-DNA hybridization, 16S rRNA sequencing, DNA
fingerprinting (ribotyping), PCR-RFLP, and numerous genetic
and phenotypic analyses to identify and classify emerging and
previously unknown species of rapidly growing Mycobacterium
species.

Research Scientist, 1996-1997

Respiratory Diseases, Immunology Section
Centers for Disease Control and Prevention, Atlanta, GA
Developed and evaluated the next generation of vaccines against
Pneumococcus through the use of opsonophagocytosis, ELISA,
and various functional assays. Assessed the clinical relationship
of functional antibody response to disease outcome in diverse
populations.

Research Assistant, Undergraduate Academic Years '93-'96

Special Bacteriology Reference Laboratory
Centers for Disease Control and Prevention, Atlanta, GA
Performed gas chromatography, gel electrophoresis, gram and
flagella stains, macroscopic morphology studies, and
hybridization to aid in the identification of unknown bacteria.
Developed, executed, and evaluated quality control procedures.

Academic Appointments:Instructor, 2006-2007

Department of Orthopaedic Surgery
Rush Medical College, Rush University
Rush University Medical Center, Chicago, IL

Community Education*: Mobile Learning Center Talk/Presentation
Castle Orthopaedics & Sports Medicine, S.C., July, 2007
Yorkville Senior Police Academy Seminar,
Kendall County Historic Courthouse, October, 2007
Woman's Wellness Conference Session Presenter
Kendall County Health Department, March, 2008
Oswego Seniors Guest Speaker
Oswego, April, 2008
Upwardly Mobile – Active Living with Arthritic Joints
Rush-Copley Medical Center, October, 2009
Center for Joint Reconstruction and Replacement
Multiple Ongoing Events, 2010-2021
*Member: **Arthritis Foundation** Speaker's Bureau

Orthopaedic Instruction: Faculty, AAOS/AAHKS/Knee Society/Hip Society:
Fundamentals of Hip and Knee Arthroplasty for Orthopaedic
Residents; Rosemont, IL, 2017
Faculty, AAOS/AAHKS/Knee Society/Hip Society:
Fundamentals of Hip and Knee Arthroplasty for Orthopaedic
Residents; Rosemont, IL, 2018
Faculty, AAOS/AAHKS/Knee Society/Hip Society:
Fundamentals of Hip and Knee Arthroplasty for Orthopaedic
Residents; Rosemont, IL, 2019
Live Surgery, ORLive Webcast:
Cruciate Retaining Knee System with Patient Matched Cutting
Guides; Aurora, IL, 2014
Faculty/Instructor, Multiple ongoing industry sponsored courses
2011-*Present*

Professional Memberships: American Association of Hip and Knee Surgeons
American Academy of Orthopaedic Surgeons
National Osteoporosis Foundation
American Medical Association
Illinois State Medical Society
Kane County Medical Society
Diplomate, American Board of Orthopaedic Surgery

Publications:

Nerys-Figueroa J, Parsa A, Curley AJ, Charif SA, Domb BG, & Schinsky MF. **Higher Early Post-Operative Subsidence Rate in Collarless Stems Compared to Collared Stems Is Not Associated with Increased Revision and Periprosthetic Fractures in Total Hip Arthroplasty: A Systematic Review of Randomized Clinical Trials.** *Submitted for publication *J Arthroplasty*, 2023

Parsa A, Chishti ZH, Saeed SK, Carbone AD, Domb BG, & Schinsky MF. **Non-Metallic Cerclage Fixation Methods for Proximal Femoral Osteotomy and Periprosthetic Hip Fractures Offer Promising Outcomes: A Systematic Review.** *Submitted for publication *Hip International*, 2023

Domb BG, George T, Sabetian PW, Maldonado DR, Schinsky MF, & Perez-Padilla PA. **Accuracy of the Birmingham Hip Resurfacing Components Placement Using the Anterior Approach with Dual-Plane Fluoroscopy and Computer Navigation: A Radiographic Evaluation with Comparison to a Conventional Posterior Approach Control Group.** *Submitted for publication *Hip International*, 2023

Parsa A, George T, Bruning RE, Perez-Padilla PA, Schinsky MF, & Domb BG. **Hip Resurfacing Indicates More Favorable Gait Parameters Post-Operatively Compared to Total Hip Arthroplasty: A Systematic Review.** *Submitted for publication *J Arthroplasty*, 2023

Schinsky MF, McCune C, & Bonomi J. **Multi-faceted Comparison of Two Cryotherapy Devices Used After Total Knee Arthroplasty.** *Orthop Nurs*. 2016 Sep-Oct;35(5):309-16

Shia DS, Clohisy JC, Schinsky MF, Martell JM, & Maloney WJ. **THA with Highly Cross-Linked Polyethylene in Patients 50 Years or Younger.** *Clin Orthop Relat Res*. 2009 Aug;467(8):2059-65

Schinsky MF, Della Valle CJ, Sporer SM, & Paprosky WG. **Perioperative Testing for Sepsis in Revision Total Hip Arthroplasty.** *J Bone Joint Surg*. 2008 Sep;90(9):1869-75

Wallace RJ Jr., Brown-Elliott BA, Wilson RW, Mann L, Hall L, Zhang Y, Jost KC Jr., Brown JM, Kabani A, Schinsky MF, Steigerwalt A, Crist CJ, Roberts GD, Blacklock Z, Tsukamura M, Silcox V, & Turenne C. **Clinical and laboratory features of *Mycobacterium porcinum*.** *J Clin Micro*. 2004 Dec;42(12):5689-5697

Schinsky MF, Morey RE, Steigerwalt AG, Douglas MP, Wilson RW, Floyd MM, Butler WR, Daneshvar M, Brown-Elliott BA, Wallace RJ Jr., McNeil MM, Brenner DJ, & Brown JM. **Taxonomic variation in the *Mycobacterium fortuitum* third biovariant complex: description of *Mycobacterium bonickei* sp. nov., *Mycobacterium houstonense* sp. nov., *Mycobacterium neworleansense* sp. nov., *Mycobacterium brisbanense* sp. nov. and recognition of *Mycobacterium porcinum* from human clinical isolates.** *Int J Syst Evol Microbiol*. 2004 Sep; 54(5):1653-67

Romero-Steiner S, Frasch C, Concepcion N, Goldblatt D, Kayhty H, Vakevainen M, Laferriere C, Wauters D, Nahm MH, Schinsky MF, Plikaytis BD, Carlone GM. **Multilaboratory Evaluation of a Viability Assay for Measurement of Opsonophagocytic Antibodies Specific to the Capsular Polysaccharides of *Streptococcus pneumoniae*.** *Clin Diagn Lab Immunol* 2003 Nov;10(6):1019-1024

Schinsky MF, Nercessian OA, Arons RR, & Macaulay W. **Comparison of complications after transtrochanteric and posterolateral approaches for total hip arthroplasty.** *J Arthroplasty* 2003 Jun;18(4):430-4

Schinsky MF, Macaulay W, Parks M, Kiernan H, & Nercessian OA. **Nerve injury following primary total knee arthroplasty.** *J Arthroplasty* 2001 Dec;16(8):1048-54

Schinsky MF, Padhye AA, McDonnell M, Brown JM, & Stern L. **Pulmonary mucormycosis (zygomycosis) in an HIV-positive patient with end stage renal disease on continuous ambulatory peritoneal dialysis.** *J Mycol Med* 2001 11:161-165

Schinsky MF, McNeil MM, Whitney AM, Steigerwalt AG, Lasker BA, Floyd MM, Hogg GG, Brenner, & Brown JM. ***Mycobacterium septicum* sp. nov., a new rapidly growing species associated with catheter-related bacteraemia.** *Int J Syst Evol Microbiol.* 2000 March; 50(2):575-81.

Hogg GG, Schinsky MF, McNeil MM, Lasker BA, Silcox VA, & Brown JM. **Central line sepsis in a child due to a previously unidentified mycobacterium.** *J Clin Microbiol.* 1999 April; 37(4):1193-6.

Shatz DV, Schinsky MF, Pais LB, Romero-Steiner S, Kirton OC, & Carlone GM. **Immune responses of splenectomized trauma patients to the 23-valent pneumococcal polysaccharide vaccine at 1 versus 7 versus 14 days after splenectomy.** *J Trauma.* 1998 May;44(5):760-5; discussion 765-6

Book Chapters:

Schinsky MF & Macaulay W. **My patient has foot-drop after surgery. What should I do?** In: Della Valle CJ, (editor): *Curbside Consultation in Total Knee Arthroplasty: 49 Clinical Questions.* SLACK, Thorofare, NJ, 2008

Schinsky MF. **I have a patient with distal osteolysis and a loose stem. What type of implant should I use and what bone stock can I anticipate finding at the time of the surgery?** In: *Curbside Consultation in Total Hip Arthroplasty: 49 Clinical Questions.* SLACK, Thorofare, NJ, 2008

Abstracts/Posters/Presentations:

Accuracy Of The Birmingham Hip Resurfacing Components Placement Using The Anterior Approach With Dual-Plane Fluoroscopy And Computer Navigation: A Radiographic Evaluation With Comparison To A Conventional Posterior Approach Control Group – EFORT Congress – 2023

Long-Term Outcomes In Arthroscopic Labral Treatment Of Femoroacetabular Impingement In Adolescents With Nested Propensity-Matched Comparison – EFORT Congress – 2023

Assessing the Early Clinical Performance of a Bi-cruciate Retaining Total Knee Implant: A Prospective Multicenter Study of 174 Primary Total Knee Arthroplasties – EFORT Congress – 2020

Early Clinical and Patient-reported Results of a Bi-cruciate Retaining Total Knee Implant: Six-month Results of a Prospective Multicenter Study of 149 Primary TKAs – Orthopaedic Research Society Annual Meeting - 2020

Improving Post Operative Length of NPO and LOS for our Colectomy Population – Illinois Surgical Quality Improvement Collaborative Semi-Annual Meeting - 2017

Perioperative Testing For Sepsis in Revision Total Hip Arthroplasty. – American Academy of Orthopaedic Surgeons Seventy-Fifth Annual Meeting – 2008* ***First Place Award Winning Poster**

Clinical and Radiographic Evaluation of Total Hip Arthroplasty in Patients 50 Years of Age or Younger Using Longevity® Highly Cross-Linked Polyethylene. - American Academy of Orthopaedic Surgeons Seventy-Fifth Annual Meeting – 2008

Perioperative Testing For Sepsis in Revision Total Hip Arthroplasty. – American Academy of Hip and Knee Surgeons Eighteenth Annual Meeting – 2008

Perioperative Testing For Sepsis in Revision Total Hip Arthroplasty. – Mid-America Orthopaedic Association Twenty-Sixth Annual Meeting – 2008

Mid-Term Clinical and Radiographic Evaluation of Total Hip Arthroplasty in Patients 50 Years of Age or Younger Using Conventional Trilogy® Polyethylene. - Mid-America Orthopaedic Association Twenty-Fifth Annual Meeting - 2007

Clinical and Radiographic Evaluation of Total Hip Arthroplasty in Patients 50 Years of Age or Younger Using Longevity® Highly Cross-Linked Polyethylene. Mid-America Orthopaedic Association Twenty-Fifth Annual Meeting - 2007

Clinical and Laboratory Features of *Mycobacterium porcinum*. 103rd General Meeting of the American Society for Microbiology – 2003

Description of *Mycobacterium bonickei* sp. nov. (Including Two Genomespecies), *Mycobacterium houstonense* sp. nov., *Mycobacterium neworleansense* sp. nov., *Mycobacterium concordense* sp. nov., *Mycobacterium brisbanense* sp. nov., *Mycobacterium fortuitum* subsp. *pseudoperegrinum* subsp. nov., and *Mycobacterium fortuitum* subsp. *fortuitum* subsp. nov. 12th International Symposium on the Biology of Actinomycetes - 2001

Immune responses to a pneumococcal CRM₁₉₇-heptavalent polysaccharide conjugate vaccine in children who responded poorly to the 23-valent polysaccharide vaccine. International Conference on Emerging Infectious Diseases - 1998

Genetic and phenotypic characterization of an emerging *Mycobacterium* species: *Mycobacterium fortuitum* third biovariant complex (Mf) (sorbitol-negative). International Conference on Emerging Infectious Diseases - 1998

Immune responses of splenectomized trauma patients to the 23-valent pneumococcal polysaccharide vaccine at 1 vs 7 vs 14 days post-splenectomy. American Association for the Surgery of Trauma Annual Meeting – 1997

Functional antibody activity as an indicator of immune status in post-splenectomy patients vaccinated with the 23-valent pneumococcal polysaccharide vaccine. Interscience Conference on Antimicrobial Agents and Chemotherapy – 1997

Genetic characterization of an unidentified *Mycobacterium* species. 96th General Meeting of the American Society for Microbiology – 1996

Editorial Activities:

Referee/Consultant Reviewer, *Clinical Orthopaedics and Related Research*

Referee/Consultant Reviewer, *The Journal of Arthroplasty*

Referee/Consultant Reviewer, *American Journal of Infection Control*

Referee/Consultant Reviewer, *The Knee*

Industry Relationships/Disclosures:

Pertinent former and present orthopaedic industry affiliations available upon request.