

Alexander J. Tauchen, MD

Illinois Bone & Joint Institute
550 West Ogden Avenue
Hinsdale, Illinois 60521

Fellowship-trained adult reconstruction surgeon specializing in primary and complex hip and knee arthroplasty, robotic-assisted kinematic alignment total knee arthroplasty, and anterior approach total hip replacement. 400+ joints/year. Podium presenter and published author with experience in surgical / fellow education and industry collaboration. Partner at a high-volume orthopaedic group with active involvement in technology adoption, outcomes research, and surgeon training.

Current Position

- Illinois Bone and Joint Institute, LLC June 2022-present
 - Partner / Attending Orthopaedic Surgeon
 - Adult Reconstruction
 - Areas of expertise: robotic-assisted kinematic alignment total knee arthroplasty, direct anterior hip replacement, peer surgeon education

Past Position

- NorthShore University HealthSystem Medical Group 2017-2022
 - Attending Orthopaedic Surgeon
 - Adult Reconstruction
 - Clinician Educator
 - University of Chicago Pritzker School of Medicine
 - Clinical Instructor – NorthShore University HealthSystem Adult Reconstruction Fellowship

Education

- University of Illinois at Urbana-Champaign: Champaign, IL 2003-2007
 - Bachelor of Science, Molecular & Cellular Biology
 - Magna Cum Laude
- Loyola University Stritch School of Medicine: Maywood, IL 2007-2011
 - Doctor of Medicine
 - Magna Cum Laude
 - Alpha Omega Alpha

Post Graduate Training

- Loyola University Medical Center: Maywood, IL 2011-2016
 - Resident, Department of Orthopaedic Surgery
- Anderson Clinic: Alexandria, VA 2016-2017
 - Fellow, Adult Reconstructive Surgery

Industry and Consulting Experience

- Johnson & Johnson / Depuy Synthes 2020-present
 - *Surgeon consultant for adult reconstruction*
 - *Robotic technology evaluation, surgical technique feedback, virtual reality-based surgical training, and education*

Medical Licensure

- State of Illinois (Expires 07/31/2026)
 - Number: 036142340

Professional Society Memberships / Certifications

- Diplomate, American Board of Orthopaedic Surgery
- Member, American Association of Hip & Knee Surgeons
- Member, American Academy of Orthopaedic Surgeons

Honors and Awards

- Alpha Omega Alpha Honor Society
 - *Vice President, Epsilon Illinois Chapter*
- MAGIS Star Recipient, Loyola University Medical Center
- Alpha Sigma Nu Jesuit Honor Society
- Phi Beta Kappa Academic Honor Society
- American Orthopaedic Association Resident Leadership Forum participant

Presentations

1. **Tauchen AJ**, Salazar D, Barton GJ, Francois A, Tonino P, Garbis NG, Evans D. The effect of compression stockings on cerebral desaturation events in obese patients undergoing shoulder arthroscopy in the beach chair position. Society of Military Orthopaedic Surgeons Annual Meeting, Scottsdale, AZ, December, 2014
2. **Tauchen AJ**. Avascular Necrosis of the Hip and Knee. Loyola University Medical Center Department of Orthopaedic Surgery Grand Rounds. May 2015
3. **Tauchen AJ**. Complications in Total Knee Arthroplasty. Loyola University Medical Center Department of Orthopaedic Surgery Grand Rounds. January 2016
4. **Tauchen AJ**, Alden KJ, Borys D, Lomasney LM, Nystrom LM. Periprosthetic clear cell chondrosarcoma mimicking prosthetic failure. The Engh Society Meeting, Alexandria, VA, April 2016
5. **Tauchen AJ**, Hushmendi S, Pfefferle KJ, Parks NL, Hamilton WG. Simultaneous bilateral versus unilateral direct anterior approach total hip arthroplasty. Hip Society Traveling Fellows Visit, Alexandria, VA, March 2017
6. **Tauchen AJ**, Hushmendi S, Pfefferle KJ, Parks NL, Hamilton WG. Simultaneous bilateral versus unilateral direct anterior approach total hip arthroplasty. Virginia

Orthopaedic Society Annual Meeting, Charlottesville, VA, April 2017 (3rd place – Best Podium Presentation)

7. **Tauchen AJ**. Complications in Total Knee Arthroplasty. NorthShore University HealthSystem Department of Orthopaedic Surgery Grand Rounds. October 2017.
8. **Tauchen AJ**. The Exeter Experience and Cemented Total Hip Arthroplasty. University of Chicago Department of Orthopaedic Surgery Grand Rounds. December 2017.
9. Avino RJ, Wlodarski C, **Tauchen AJ**, Puri L. Is 30-day readmission rate after total joint replacement affected by where preoperative medical clearance is performed? Paper presentation, AAOS Annual Meeting, Las Vegas, NV. March 2019.
10. Edgington JP, Avino RJ, Wixson RL, **Tauchen AJ**, Puri L. Patient preference predicts discharge disposition after total joint arthroplasty. Paper presentation, AAOS Annual Meeting, Las Vegas, NV. March 2019.
11. **Tauchen AJ**, Hushmendi S, Pfefferle KJ, Parks NL, Hamilton WG. Modern Simultaneous bilateral anterior total hip arthroplasty is a safe and efficient surgery. Paper presentation, AAOS Annual Meeting, Las Vegas, NV. March 2019.
12. **Tauchen AJ**. The Exeter Experience and Cemented Total Hip Arthroplasty. American Hip Institute Grand Rounds. May 1, 2020.
13. Rizzi A, Bradley AT, O'Daniels A, **Tauchen AJ**, Puri L. Reverse Coronal Plane Deformity in the Arthritic Knee: Use of Robotic Arthroplasty for Identification and Correction of this underappreciated deformity. American Orthopaedic Association; Chicago, IL 2022
14. Rizzi A, Bradley AT, O'Daniels A, **Tauchen AJ**, Puri L. Reverse Coronal Plane Deformity in the Arthritic Knee: Use of Robotic Arthroplasty for Identification and Correction of this underappreciated deformity. Mid-American Orthopaedic Association; Miramar Beach, FL 2023

Publications

1. **Tauchen AJ**, Salazar D, Barton GJ, Francois A, Tonino P, Garbis NG, Evans D. The effect of compression stockings on cerebral desaturation events in obese patients undergoing shoulder arthroscopy in the beach chair position. *Arthroscopy*. Dec 2015;31(12):2352-64. PMID 26248495.
2. **Tauchen AJ**, Kueberuwa E, Schiffman K, Mudaliar K, Noland SS. A rare case of a 15 year-old boy with two accessory nipples: one in the forearm and one in the milk line. *Case Reports in Surgery*. Epub 2015 Dec 10;2015:752479. PMID 26783489.
3. Salazar D, Hazel A, **Tauchen AJ**, Sears B, Marra G. Neurocognitive deficits and cerebral desaturation during shoulder arthroscopy in the beach chair: a systemic review. *American Journal Orthopedics*. 2016;45(3):E63-E68. PMID 26991585
4. **Tauchen AJ**, Hamilton WG. The anterior approach: Better, faster, and cheaper. *Seminars in Arthroplasty*. 2016; 27: 210-213.

5. **Tauchen AJ**, Hushmendi S, Parks NL, Pfefferle KJ, Hamilton WG. Simultaneous bilateral anterior hips: double trouble – opposes. *Seminars in Arthroplasty*. 2018; 29: 161-165.
6. Muriuki MG, Reddy AK, **Tauchen AJ**, Havey RM, Patwardhan AG, Bindra RR. Effect of K-wire reuse and drill mode on heat generation in bone. *Hand*. 2021 May 14. Online ahead of print. PMID 33985362.
7. Burnham RR, Kiernan H, Ortega LF, Wesolowski M, **Tauchen AJ**, Russo M, Gerscovich D, Brown NM. Defining the learning curve of anterior total hip arthroplasty after fellowship-specific training. *J Am Acad Orthop Surg*. 2022 Jan 1; 30(1):e131-138
8. King CA, Jordan M, Bradley AT, Wlodarski C, **Tauchen AJ**, Puri L. Transitioning a Practice to Robotic Total Knee Arthroplasty is Correlated with Favorable Short-Term Clinical Outcomes – A Single Surgeon Experience. *Journal of Knee Surgery* 2022, 35(1):78-82.
9. Rizzi A, Bradley AT, O’Daniels A, **Tauchen AJ**, Puri L. Reverse Coronal Plane Deformity in the Arthritic Knee: Use of Robotic Arthroplasty for Identification and Correction of this underappreciated deformity. *Arthroplasty Today* – submitted
10. Wixson RL, Dunnenberger HM, Dickerson DM, **Tauchen AJ**, Heshmat C, Koh JL. Pain and Opioid Use Following Total Knee Arthroplasty: Psycho-Social Factors Are More Predictive than Pharmacogenomics. *J Arthroplasty*. 2023 Dec 9:S0883-5403(23)01203-2. Epub ahead of print. PMID: 38081553.

Posters and Scientific Exhibits

1. **Tauchen AJ**, George DC, Hildebrand GR, RR Bindra. The incidence of retained rings after emergent treatment of hand injuries. Poster Exhibit 31 st Annual St. Albert’s Research Day, Loyola University Stritch School of Medicine, October 2010
2. **Tauchen AJ**, Salazar D, Barton GJ, Francois A, Tonino P, Garbis NG, Evans D. The effect of compression stockings on cerebral desaturation events in obese patients undergoing shoulder arthroscopy in the beach chair position. Poster Exhibit 35th Annual St. Albert’s Research Day, Loyola University Stritch School of Medicine, October 2014
3. Reddy A, **Tauchen AJ**, Havey R, Carandang G, Patwardhan AG, Bindra R. Heat generation from insertion of K-wires: oscillating versus rotary drilling. Poster Exhibit 35th Annual St. Albert’s Research Day, Loyola University Stritch School of Medicine, October 2014

Ongoing Research

1. **Tauchen AJ**, Ehmke TA, Glueck Q, Frank E. Early PROM and range of motion in patients undergoing CT-based, robotic-assisted kinematic alignment total knee arthroplasty.
2. Patel RM, **Tauchen AJ**, Ehmke TA, Glueck Q, Frank E. Short term patient reported outcomes in total knee patients undergoing post-operative laser therapy.