

BRANDON HOWARD NAYLOR, D.O.

EDUCATION AND TRAINING

Adult hip and knee reconstruction fellowship: *Lenox Hill Hospital/Northwell Health*. New York, NY. August 2019 - July 2020.

Orthopedic surgery residency: *Ohio University/Mercy Health St. Vincent Medical Center*. Toledo, OH. June 2014 - June 2019.

Doctor of Osteopathy: *A.T. Still University Kirksville College of Medicine*. Kirksville, MO. August 2010 – May 2014. Clinical rotations: *Henry Ford Hospital*. Detroit, MI. June 2012 -May 2014.

Bachelor of Science in Biology: *University of Nevada, Las Vegas*. Las Vegas, NV. August 2005 – May 2010.

FACULTY APPOINTMENTS

Adult reconstructive orthopedic surgeon, Partner, *Total Joint Specialists/Northside Hospital System*. Atlanta, Ga. August 2020 - Present.

Program director, *Atlanta Adult Reconstruction Fellowship at Total Joint Specialists*. Atlanta, GA. August 2022 - Present.

Assistant professor, *Zucker School of Medicine at Hofstra University*. New York, NY. August 2019 - July 2020.

Surgeon Liasson, Northside Hospital hip fracture program. July 2023-present.

Trustee, Total Joint Specialists retirement committee August 2023-Present.

HONORS AND AWARDS

Finalist - 3rd Biennial Arthroplasty Disaster Case Competition. Miami, Fl. September 2018.

1st Place - Northwest Ohio Research Symposium. October 2014.

96th percentile on USMLE Step 1 and 2: 248. July 2012, July 2013.

99th percentile on COMLEX Step 1, 2, and 3: July 2012 - July 2014.

Dean's List - University of Nevada, Las Vegas. August 2008 – May 2010.

Alpha Epsilon Delta - University of Nevada, Las Vegas. August 2007 – May 2010.

COURSES AND CERTIFICATIONS

CORI robotic total knee arthroplasty certification. Smith and Nephew. April 2023.

VELYS robotic total knee arthroplasty certification. Depuy Orthopedics. July 2021.

ROSA robotic total knee arthroplasty certification. Zimmer Biomet. July 2021.

Birmingham Hip Resurfacing certification. Smith and Nephew Orthopedics. March 2021.

MAKO robotic total joint arthroplasty certification. Stryker Orthopedics. September 2020.

Zimmer-Biomet Oxford Masters Course. La Jolla, CA. September 2018.

Zimmer-Biomet Oxford Advanced Knee certification. Newport Beach, CA. September 2016.

AO Basics of Fracture Management. New Orleans, LA. September 2015.

Advanced Trauma Life Support (ATLS). June 2014 to present.

Medical licensure - Georgia: April 2020 to present; New York: June 19 to present; Ohio: June 14 to present; Michigan: August 2017 to August 2018.

PROFESSIONAL INTERESTS, COMMUNITY SERVICE, AND MEMBERSHIPS

Member: *The Hip Society* (May 2017 to present), *Orthopedic Research Society* (January 2017 to present), *American Association of Hip and Knee Surgeons* (October 2016 to present), *International Congress for Joint Reconstruction* (October 2014 to present), *American Academy of Orthopedic Surgeons* (July 2014 to present), *American Osteopathic Academy of Orthopedics* (July 2010 to present).

Habitat for Humanity Atlanta. Total Joint Specialists. January 2023-present.

COVID-19 Proning Team, Lenox Hill Hospital, New York, NY. March 2020 to May 2020.

Journal reviewer: *Journal of Arthroplasty*, May 2020 to present. *Clinical Orthopedics and Related Research*, January 2020 to present. *Journal of Knee Surgery*, March 2021 to present.

Resident leader: AAOS Now subcommittee. Resident Assembly Research Committee. September 2018 to 2022.

Delegate: *American Academy of Orthopedic Surgeons* resident assembly. March 2017 to 2022.

WalkNicaragua. Knee arthroplasty mission trip. One World Health. Esteli, Nicaragua. January 2017.

RESEARCH

Guild GN, DeCook CD, **Naylor BH** et al. *Evaluating knee recovery beyond patient reports: a comparative study of objective gait metrics versus PROMS in TKA*. Submitted to JOA.

Naylor BH, Huang N, Bradbury TL et al. *Correlation of preoperative knee phenotypes using CPAK classification and patient outcomes after TKA*. Data collection and manuscript preparation.

Naylor BH, DeCook N, Minter JM et al. *The use of novel fusion nail for static spacers in PJI revision TKA*. Data collection and manuscript preparation.

Naylor BH, Bradbury TL, DeCook N et al. *The use of automated stem impaction device during arthroplasty for femoral neck fracture*. Manuscript preparation.

Krasney LC, Rennie C, **Naylor BH** et al. *Rare finding of axillary artery dissection secondary to a proximal humerus fracture-dislocation: a case report.* Trauma case rep. 2023 Apr 3;45:100828.

Harary JM, Naidu S, **Naylor BH** et al. *Do internet-based patient engagement platforms improve outcomes following total knee arthroplasty.* Poster presented at AAHKS 2022. Submitted to JOA.

Butler J, Statton J, **Naylor BH** et al. *A collared cementless femoral stem for the treatment of acute femoral neck fractures using the direct anterior approach.* Abstract submitted to AAOS/AAHKS. 2022.

Butler J, **Naylor BH**, DeCook CA. *The oblique "bikini" versus traditional longitudinal incision for anterior total hip arthroplasty: a systematic review.* Arthroplasty today. 2022 Jul 31;17:1-8..

McGrath M, **Naylor BH**, DeCook CA et al. *Is formal physical therapy necessary after outpatient TKA.* Presented at AAOS 2022 and GOS 2023, manuscript submitted.

Hepinstall MS, **Naylor BH**, Mont MA. *Consideration of pelvic tilt at the time of preoperative planning improves standing acetabular position after robotic-arm assisted total hip arthroplasty.* Hip International. 2021 Sept 12.

Hepinstall MS, **Naylor BH**, Mont MA et al. *Robotic-assisted total hip arthroplasty in patients who have developmental hip dysplasia.* Surg Technol Int. 2021 Jul 26;39:338-347.

Naylor BH, Tarazi J, Mont MA. *Wound management following total knee arthroplasty; an updated review.* Journal of Knee Surgery. 2021 Jul 14.

Tarazi JM, **Naylor BH**, Mont MA et al. *The use of new technology for wound management following total knee arthroplasty: implications for the COVID-19 crisis.* Surg Technol Int. 2020 Jul 25;37:sti37/1325.

Hepinstall MS, **Naylor BH**, Mont MA. *Evolution of 3-dimensional functional planning for total hip arthroplasty with a robotic platform.* Surg Technol Int. 2020 Nov 28;37:395-403.

Naylor BH, Mont MA. *Range of motion to impingement curves create a new patient-specific impingement-free zone for acetabular cup placement.* Surg Technol Int. 2020. Feb 10;38.

Naylor BH, Caid M, Reinhardt K, et al. *Heterotopic ossification following direct anterior hip arthroplasty with and without Celebrex.* Journal of Arthroplasty. 2020 Oct;36(10):3471-3477.

Matzko C, **Naylor BH**, Hepinstall MS, et al. *Impingement resulting in femoral notching and elevated metal-ion levels after dual-mobility total hip arthroplasty.* Arthroplasty Today 6(2020) 1045-1051.

Naylor BH, Seidman D, Scuderi GR. *Bridging the gap: the influence of foot pathomechanics in total knee arthroplasty.* J Am Acad Orthop Surg. 2021 Jul 15;29(14):693-701.

Naylor BH, Rodriguez JA, Hepinstall MS, et al. *A novel fluoroscopic grid overlay for intraoperative component position assessment in direct anterior approach hip arthroplasty.* 2019. Submitted for publication.

Zois T, **Naylor BH**, Scuderi GR. *The discrepancy between patient reported and actual height and weight within the orthopedic population*. 2019. Submitted for publication.

Naylor BH, Kuczynski B, Scuderi GR. *Can shoe size reliably predict knee arthroplasty component sizes?*. 2019. Accepted to Journal of Knee Surgery.

Naylor BH, Scuderi GR. *Do antibiotic impregnated intramedullary dowels assist in eradicating infection in total knee arthroplasty? Pro*. 2019. Journal of Arthroplasty. 2020 March 35(3) S45-S49.

Naylor BH, Jenkins N. *Interpreting vitamin D controversies continue to pose challenges*. AAOS Now. May 2019.

Naylor B, Makar G. *Diagnostic approaches for PJI continue to evolve*. AAOS Now. March 2019.

Naylor BH, Boothby B, Cohen A, et al. *Does traction assisted versus regular table anterior total hip arthroplasty reduce perioperative complications: a systematic review*. 9/2018. Presented at the Ohio Orthopedic Association annual meeting. 2019.

Sodhi N, **Naylor BH**, Mont MA, et al. *Survivorship and radiographic analysis of highly porous acetabular cups designed for improved osseointegration potential*. Surg Technol Int. 2019 Feb 11;34. Pii: sti34/1096

Naylor BH, Lewis A. *Spinal deformity in hypophosphatasia: a case report and review*. 2017. Submitted for publication and presentation.

Naylor BH, Schutte HD, Voges S, et al. *Exploration of serum 25-hydroxy vitamin D in total joint arthroplasty within a subtropical climate*. Reconstructive Review. 2017 7(3), 19-22.

Naylor BH, Moore A, Jacobsen J, et al. *Acute hypovitaminosis D in orthopedic polytrauma*. 2015. Poster presented at 2019 AAOS annual meeting.

Naylor BH, Madsen S. *Bilateral patellae fracture secondary to primary hyperparathyroidism: a case report*. 1st place award: Northwest Ohio annual research symposium. Sandusky, OH. 2014.

Naylor BH, Ku C, Hillock J. *Social media utilization among orthopedic oncologists*. Poster presented at the annual Musculoskeletal Tumor Society meeting. San Francisco, CA. 2013.

BOOK CHAPTERS

Naylor BH, Bradbury TL, DeCook CA et al. (2024). Total hip arthroplasty revision in the ambulatory surgery center. Preparing for publication.

Naylor BH, Statton J, DeCook CA. (2022). *Anterior approach to the hip through the oblique "bikini" incision*. Springer. Anterior Hip Replacement.

Salem HS, **Naylor BH**, Mont MA et al. (2021). *Essentials of cemented knee arthroplasty indications- Osteonecrosis*. Springer. 49-55.

Hepinstall MS, **Naylor BH**, Rodriguez J. (2021). *Cemented Total Hip Arthroplasty*. Operative Techniques in Orthopedic Surgery. Lippincott Williams and Wilkins.

LECTURES AND PODIUM PRESENTATIONS

Moderator: *AOAO Spring 2024 Adult Reconstruction and Arthritis Surgery section*. American Osteopathic Academy of Orthopedics annual spring meeting, Las Vegas, NV, April 2024.

The DA revision: a new frontier. American Osteopathic Academy of Orthopedics annual spring meeting, Las Vegas, NV, April 2024.

Taking the DAIR: pearls and pitfalls. Georgia Orthopaedic Society annual meeting, Sea Island, GA. September 2023.

Is formal physical therapy necessary following outpatient TJA: a randomized controlled trial. Georgia Orthopaedic Society annual meeting, Sea Island, GA. September 2023.

Diagnosing PJI: practical guidelines. Disasterplasty Conference, Key Largo, FL. September 2023.

Should we do the acetabulum for femoral neck fracture? Disasterplasty Conference, Key Largo, FL. September 2023.

What is spinal stiffness and deformity, and why do I care as a total joint surgeon? American Osteopathic Academy of Orthopedics annual meeting, Nashville, TN. April 2023.

Diagnosing PJI: practical guidelines. Atlanta Orthopedic Symposium, Atlanta, GA. April 2022.

Direct anterior hip replacement: techniques and implant designs. Atlanta Orthopedic Symposium, Atlanta, GA. April 2022.

Is formal physical therapy necessary after outpatient total knee arthroplasty? American Academy of Orthopedic Surgeons Annual Meeting, Chicago, IL. March 2022.

DAA THA: fad or fade? Atlanta Orthopedic Symposium, Atlanta, GA. August 2021.

The role of immediate arthroplasty in geriatric fractures about the knee. Atlanta Orthopedic Symposium, Atlanta, GA. August 2021.

Diagnosis and management of periprosthetic joint infections. Mercy Health St. Vincent Medical Center, Toledo, OH. July 2018. Lenox Hill Hospital grand rounds, New York, NY. May 2020.

Driving value in outpatient total joint arthroplasty. Lenox Hill Hospital grand rounds. New York, NY. April 2020.

Essentials of orthopedic billing and coding 101. Lenox Hill Hospital. New York grand rounds, NY. April 2020.

Cementation in hip arthroplasty. Mercy Health St. Vincent Medical Center, Toledo, OH. July 2018. Lenox Hill Hospital, New York, NY. May 2020.

Distal isthmus extension in Vancouver B2 periprosthetic hip fractures. Arthroplasty Disaster Conference, Miami, FL. September 2018.

Soft tissue releases in total knee arthroplasty. Mercy Health St. Vincent Medical Center, Toledo, OH. August 2017.

Mercy Health Trauma Conference Grand Rounds, Toledo, OH. Over 100 trauma cases personally presented. July 2014-May 2019.

Benign bone tumors. Mercy Health St. Vincent Medical Center, Toledo, OH. August 2014.

Acute ACL injuries: When to operate? Henry Ford Hospital, Detroit, MI. April 2013.

HOBBIES AND INTERESTS

Spending time with my wife and daughter, triathlons (2x Ironman), running (2x marathon), tennis, golf, sailing, ice hockey, and mountain biking.