

Nick N. Patel, M.D.

CURRENT POSITIONS

Delaware Orthopaedic Specialists <i>Hip & Knee Reconstructive Surgeon</i>	2021 – Present
Center for Advanced Joint Replacement, ChristianaCare <i>Medical Director</i>	2023 – Present

EDUCATION

Harvard University's Brigham and Women's Hospital <i>Adult Reconstruction Fellowship</i>	Boston, MA Aug 2020 – Jul 2021
Emory University School of Medicine <i>Orthopaedic Surgery Residency</i>	Atlanta, GA July 2015 – June 2020
Emory University School of Medicine <i>Doctor of Medicine</i>	Atlanta, GA July 2011 – May 2015
Georgia Institute of Technology <i>B.S. in Biomedical Engineering, Graduated with Highest Honors</i> Dual Degree Program with Emory	Atlanta, GA Aug 2009 – May 2011
Emory University <i>B.S. in Biology</i> Dual Degree Program with Georgia Tech	Atlanta, GA Aug 2006 – May 2009

HONORS & AWARDS

Delaware Today Top Doctor: 2022, 2023, 2024
2021 Tower Hill School Young Alumni Award
Joseph B. Whitehead Surgery Scholarship: Merit based scholarship received annually during medical education
Alpha Eta Mu Beta National Biomedical Engineering Honor Society: Invited to join after being in top one-fifth of BME class
Tau Beta Pi Engineering Honor Society: Invited to joined after being in the top one-eighth of the overall engineering class
Georgia Tech Faculty Honors: Recognized for academic achievement and graduating with a 4.0 GPA
Emory University Dean's List: Recognized for academic achievement at Emory University
First Place in the 2009 Emory Research Symposium

SOCIETY MEMBERSHIPS

American Association of Hip and Knee Surgeons
American Academy of Orthopaedic Surgeons
American Medical Association
Medical Society of Delaware

PATENTS

"Access Device for Surgery" – Co-inventor <i>Patent number US8771173 B2</i>	Issued July 8, 2014
"Devices and Methods for Surgical Induction Heating" – Co-inventor <i>Patent number US20200121495 A1</i>	Filed Oct 18, 2019

PEER REVIEWED PUBLICATIONS

Fletcher ND, Lazarus DE, Desai MJ, **Patel NN**, Bruce RW. Medicaid insurance is associated with larger curves in patients who require scoliosis surgery. *Am J Orthop*. 2015 Nov;44(11):E454-7.

Wise BT, **Patel NN**, Wier G, Labib SA. Outcomes of ACL Reconstruction With Fixed Versus Variable Loop Button Fixation. *Orthopedics*. 2017 Mar 1;40(2):e275-e280.

Patel NN, Labib SA. The Achilles Tendon in Healthy Subjects: An Anthropometric and Ultrasound Mapping Study. *J Foot Ankle Surg*. 2018 Mar - Apr;57(2):285-288.

Patel NN, Guild GN, Erens GA. Femoral Head-Trunnion Dissociation in Metal-on-Polyethylene Total Hip Arthroplasty – A Unique Case Report. *Reconstructive Review*. 2017 Dec;7(4).

Patel NN, Bruce RW. Transcapsular Buttonholing of the Proximal Ulna as a Cause for Irreducible Pediatric Anterior Elbow Dislocation. *Case Rep Orthop*. 2018 May 9;2018:8986230.

Gottschalk MB, **Patel NN**, Boden AL, Kakar S. Treatment of Basilar Thumb Arthritis: A Critical Analysis Review. *JBJS Rev*. 2018 Jul 10.

Patel NN, Guild GN, Kumar AR. Intra-wound Vancomycin in Primary Hip & Knee Arthroplasty - A Safe and Cost-effective Means to Decrease Early Periprosthetic Joint Infection. *Arthroplasty Today*, 2018. 4(4): p. 479-483.

Patel NN, Shah JA, Sadlack CK. Post-Operative Thrombotic Thrombocytopenic Purpura After Total Hip Arthroplasty: A Case Report and Review of the Literature. *Case Rep Orthop*. 2018 Oct 23;2018:9716170.

Patel NN, Shah JA, Erens GA. Current Trends in Clinical Practice for the Direct Anterior Approach Total Hip Arthroplasty. *J Arthroplasty*. 2019 Apr 18. pii: S0883-5403(19)30357-2.

Shah JA, **Patel NN**. Decreased Early Complication Rates Associated with Rheumatoid Arthritis Compared to Alternate Indications for Total Elbow Arthroplasty. *Int J Orthop*. 2019; 6(5). Epub 2019 Oct 28.

Shah JA, **Patel NN**, Michael KW. Spontaneous Spinal Epidural Hematoma: Atypical clinical presentation and discussion of management. *Int J Spine Surg*. 2020 Apr 30;14(2): 158-161.

Werner E, Brinkmann E, **Patel N**, Chen A, Ready J, Estok D, Shah V. Clinical Outcomes and Survivorship of Distal Femur Replacements Using Cemented versus Cementless Femoral Stems: Submitted for publication 2022.

PRESENTATIONS

Podium Presentations

Outcomes of ACL Reconstruction with Fixed Versus Variable Loop Button Fixation

Wise BT, Patel NN, Wier G, Labib SA
Eastern Orthopedic Association

Amelia Island, FL

Oct 22, 2014

The Achilles Tendon in Healthy Subjects: An Anthropometric and Ultrasound Mapping Study

Patel NN, Labib SA
Eastern Orthopedic Association

New Orleans, LA

Oct 20, 2016

Fractures of the Pediatric Upper Extremity

Emory Orthopaedic Surgery Department Grand Rounds

Atlanta, GA

Oct 6, 2017

Intra-wound Vancomycin in Hip & Knee Arthroplasty – A Safe and Cost Effective Means to Decrease PJI

Patel NN, Guild GN, Kumar AR
2018 Kelly Day Research Session

Atlanta, GA

June 8, 2018

Current Trends in Clinical Practice for the Direct Anterior Approach Total Hip Arthroplasty

Patel NN, Shah JA, Erens GA
2020 Kelly Day Research Session

Atlanta, GA

June 5, 2020

CardioScout Surgical Device for Minimally Invasive Delivery of Therapies to the Beating Heart

Patel NN, Jorgensen C, Haque T, Rego K

Made presentations on multiple occasions which included live demonstration of device on human heart models. Presentations include:

- Georgia Tech Alumni Association Board **Atlanta, GA**
Invited by the board president to speak to all trustees during a board meeting Aug 19, 2011
- Georgia Tech and Emory Department of Biomedical Engineering Advisory Board **Atlanta, GA**
Presented to distinguished faculty as well as BME industry executives Apr 27, 2011
- Surgical Invention Convention **Atlanta, GA**
Presented and demonstrated device to potential investors and industry leaders Apr 7-8, 2011
- Georgia Tech Advisory Board **Atlanta, GA**
Invited to present to board members, which included numerous Fortune 500 company executives Apr 4, 2011
- Georgia State Capitol: Presented to the House Science and Technology Committee **Atlanta, GA**
Hour-long presentation to GA Tech President Bud Peterson, Committee Chairman Amos Amerson, and other representatives Feb 9, 2011
- Saint Joseph's Translational Research Institute **Atlanta, GA**
Presented to GA Tech President Bud Peterson and members of the Georgia Board of Regents Nov 8, 2010

Poster Presentations

Intra-wound Vancomycin in Primary Hip & Knee Arthroplasty - A Safe & Cost-effective Means to Decrease PJI **Las Vegas, NV**
Patel NN, Guild GN, Kumar AR **Mar 14, 2019**
AAOS 2019 Annual Meeting

Outcomes of ACL Reconstruction with Fixed Versus Variable Loop Button Fixation **Atlanta, GA**
Wise BT, Patel NN, Wier G, Labib SA **Apr 23, 2015**
Annual Emory Research Symposium

Novel Device for Stem Cell Delivery to the Beating Heart Under Direct Visualization via Subxiphoid Approach **Washington, DC**
Patel NN, Jorgensen C, Haque T, Rego **June 8-11, 2011**
International Society for Minimally Invasive Cardiothoracic Surgery

CardioScout Novel Device for Minimally Invasive Cardiac Surgery **Atlanta, GA**
Patel NN, Jorgensen C, Haque T, Rego **March 29-30, 2011**
South Eastern Medical Device Association Conference

Alveolar Macrophage Function in Sickle Cell Disease **Atlanta, GA**
Patel NN, Chappa P, Archer DR **Apr 24, 2009**
2009 Emory Research Symposium – 1st place overall