

# Curriculum Vitae

## Daniel Andrew Marchwiany, MD

### WORK EXPERIENCE

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8/2022-Present	<b>Murphy Wainer Orthopaedic Specialists</b> Orthopaedic Surgeon	Greensboro, NC
8/2021-7/2022	<b>Massachusetts General Hospital</b> Assistant Professor of Orthopaedic Surgery	Boston, MA

### GRADUATE MEDICAL EDUCATION

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8/2021-8/2022	<b>Massachusetts General Hospital</b> Harvard Adult Reconstructive Surgery Fellowship	Boston, MA
6/2016-6/2021	<b>University of North Carolina Hospitals</b> Orthopaedic Surgery Residency	Chapel Hill, NC

### EDUCATION

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7/2012-5/2016	<b>Loyola University Chicago Stritch School of Medicine</b> Doctor of Medicine Bioethics Honors Program; Research Honors Program	Maywood, IL
8/2008-5/2012	<b>University of Illinois in Champaign-Urbana</b> Bachelor of Science in Liberal Arts and Sciences Molecular & Cellular Biology; Chemistry <i>Magna cum laude</i>	Champaign, IL

### ORGANIZATIONS, COMMITTEES, & ACTIVITIES

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2019-2020	Resident Wellness Committee, UNC Orthopedics
2016	EPIC "Go-Live" Inpatient Physician Consultant, MedDocLive
2013-2014	Vice President, Orthopaedic Surgery Interest Group, Loyola School of Medicine
2013	Course Review Committee, Molecular Cell Biology and Genetics, Loyola School of Medicine
2009-2012	Undergraduate Research Assistant, Laboratory of Integrated Bio Medical Micro/Nanotechnology & Application, University of Illinois

## HONORS & AWARDS

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2013-2016	Loyola Stritch School of Medicine Research Honors
2012-2014	Loyola Stritch School of Medicine Bioethics Honors
2012	University of Illinois: Champaign-Urbana, BS Molecular and Cellular Biology; Chemistry <i>Magna cum laude</i> <i>James Scholar Honors Program 2008-2012</i> <i>Dean's List: 2008-2012 all semesters</i>
2010-2011	Illinois General Assembly Full Tuition Scholarship Recipient
2008	H.D. Jacobs High School <i>Valedictorian</i>

## TEACHING

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2017-2018	Instructor, UNC School of Medicine, Musculoskeletal Course	Chapel Hill, NC
2013	MCAT tutoring for Loyola University Undergrad	Chicago, IL
2012	Maywood ACT Prep for local high school students	Maywood, IL
2010-2012	Instructor, Kaplan Test Prep for Pre-health MCAT/PCAT	Champaign, IL

## SERVICE

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2017-2020	Physician Volunteer, Samaritan Health Orthopedic Clinic	Durham, NC
2017-2020	Physician Volunteer for High School Athletic Physicals	Chapel Hill, NC
2013-2014	Group leader/mentor, Loyola M1 medical student orientation	Maywood, IL
2012-2013	Eucharistic Ministry for Loyola and Gottlieb Hospitals	Maywood, IL
2012-2013	Medical Volunteer, New Life Volunteering Society Medical Clinic	Chicago, IL
2012-2013	Guitarist, Hospital Christmas Caroling, Loyola Hospital	Maywood, IL
2010-2012	Inpatient Rehabilitation Tech, Provena Covenant Medical Center	Champaign, IL

## PUBLICATIONS & ABSTRACTS

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Humphrey, T. J., **Marchwiany, D.**, Salimy, M. S., Nelson, S. B., Bedair, H. S., & Melnic, C. M. (2022). Outcomes of Concurrent Endocarditis and Periprosthetic Joint Infection: A Retrospective Case Series of 16 Patients. *Cureus, 14*(4).

Humphrey, T. J., **Marchwiany, D.**, Bedair, H. S., & Melnic, C. M. (2021). Fracture of a Sivash-Range of Motion Femoral Stem at the Diaphyseal Splines. *Cureus, 13*(12).

**Marchwiany, D. A.**, Lee, C., Ghobrial, P., Lawley, R., & Chudik, S. C. (2020). All-Epiphyseal Physseal-Sparing Anterior Cruciate Ligament Reconstructive Surgery: A Study of 3-Dimensional Modeling to Characterize a Safe and Reproducible Surgical Approach. *Arthroscopy, Sports Medicine, and Rehabilitation*.

Stoll, K.E., **Marchwiany, D.**, Cavanaugh, D.L., Deol, G.S. "Lateral Lumbar Interbody Fusion L3-L4, L4-L5." *The Resident's Guide to Spine Surgery*. Springer. (2020)

Lee, C. S., Larsen, C. G., **Marchwiany, D. A.**, & Chudik, S. C. (2019). Extra-Articular, Intraepiphyseal Drilling for Osteochondritis Dissecans of the Knee: Characterization of a Safe and Reproducible Surgical Approach. *Orthopaedic Journal of Sports Medicine*, 7(2), 2325967119830397.

Finkler, E. S., **Marchwiany, D. A.**, Schiff, A. P., & Pinzur, M. S. (2017). Long-term outcomes following Syme's amputation. *Foot & Ankle International*, 38(7), 732-735.

Bajaj, Piyush, Rivera, J. A., **Marchwiany, D.**, Solovyeva, V., & Bashir, R. "Graphene-Based Patterning and Differentiation of C2C12 Myoblasts." *Advanced Healthcare Materials* (2013).

Bajaj, Piyush, **Marchwiany, D.**, Duarte, C., & Bashir, R. "Patterned Three-Dimensional Encapsulation of Embryonic Stem Cells Using Dielectrophoresis and Stereolithography." *Advanced Healthcare Materials* (2012).

Salm, Eric, Liu, Y. S., **Marchwiany, D.**, Morissette, D., He, Y., Bhunia, A. K., & Bashir, R. "Electrical Detection of dsDNA and Polymerase Chain Reaction Amplification." *Biomedical Microdevices* 13.6 (2011): 973-982.

## PRESENTATIONS & POSTERS

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Christian Klemt; **Daniel A. Marchwiany**; Ingwon Yeo; Yasamin Habibi; Murad Subih; Ehab Eltouy; Jillian C. Burns; John G. Esposito; Young-Min Kwon. "Increased Failure After Irrigation And Debridement Alone Compared With Irrigation And Debridement With Modular Components Exchange For Acute Periprosthetic Joint Infection" Podium Presentation. Orthopaedic Research Society Annual Meeting 2022. Tampa, FL.

Christian Klemt; **Daniel A. Marchwiany**; Ingwon Yeo; Yasamin Habibi; Murad Subih; Ehab El Touy; Jillian C. Burns; Kyle Alpaugh; Young-Min Kwon. "Predicting Extended Postoperative Opioid Use In Revision Total Knee Arthroplasty: A Machine Learning Approach" Poster Presentation. Orthopaedic Research Society Annual Meeting 2022. Tampa, FL.

**Marchwiany, D.A.**, Balkam, C., Shapiro, J., Huang, K., Taylor, P. Olcott, C., Del Gaizo, D. "The Biggest Losers: Morbidly Obese Patients with Successful Weight Loss Before and After Primary Hip and Knee Arthroplasty" Poster Presentation. AAHKS 2020 Annual Meeting. Dallas, TX.

**Marchwiany, D.A.** Challenges in Treating Young Active Patient with Knee Osteoarthritis. *UNC Orthopedics Grand Rounds*. April 10<sup>th</sup>, 2019.

**Marchwiany, D.A.** Cubital and Carpal Tunnel Syndromes. *WakeMed Hand Surgery Conference*. March 2019. Raleigh, NC.

**Marchwiany, D.A.** Orthopaedic Hardware in Trauma Patients. *WakeMed Surgery Grand Rounds*. March 2019. Raleigh, NC.

**Marchwiany, D.A.** Rheumatoid Wrist. *WakeMed Hand Surgery Conference*. October 2018. Raleigh, NC.

**Marchwiany, D.A.**, Ryan, M., Chudik, S.C. "All-Epiphyseal Physeal-Sparing ACL Reconstructive Surgery: A Study of 3-D Modeling to Characterize a Safe and Reproducible Surgical Approach" Paper Presentation. AAOS 2016 Annual Meeting, Orlando, FL.

**Marchwiany, D.A.**, Lee, C., Chudik, S.C. "All-Epiphyseal Physeal-Sparing Anterior Cruciate Ligament Reconstructive Surgery" Orthopaedic Video Theater. AAOS 2016 Annual Meeting. Orlando, FL.

**Marchwiany, D.A.,** Chudik, S.C. “Determining Safe and Reproducible Bony Entry Point, Tunnel Trajectory, and Distance from Physeal and Articular Cartilage While Performing All-Epiphyseal Physeal Sparing ACL Reconstructive Surgery.” Poster Presentation at 34th Annual St Albert's Day. Stritch School of Medicine. October 2013.

#### PROFESSIONAL COURSES

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January 2022	14 <sup>th</sup> Joint Replacement Fellows Symposium, Vail, CO
November 2019	American Association of Hip and Knee Surgeons Resident Course, Dallas, TX
March 2019	Current Concepts in Joint Replacement, Cleveland, OH
March 2018	AO Trauma Basic, Birmingham, AL
March 2016	American Academy of Orthopaedic Surgery Annual Meeting, Orlando, FL
February 2013	Shriners Hospitals for Children Chicago Motion Analysis Laboratory Gait Analysis Workshop, Chicago, IL

#### LANGUAGES

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English: Fluent

Polish: Conversational and literate. Completed 12 years of Polish language education at Emilia Plater Polish School in Bartlett, IL.

#### HOBBIES & INTERESTS

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I enjoy spending time with my wife and daughters. My interests and hobbies include Chicago Bears football, playing volleyball, basketball, golf, and playing the guitar.