Dominik Fleifel

TRAINING & EDUCATION

2025-2026 ***Combined Adult Reconstruction Trauma Fellowship (CAR/T)***
An AAHKS Adult Reconstruction fellowship with additional emphasis on trauma
University of Minnesota, Regions Hospital
Minneapolis, MN

2020-2025 ***Resident Physician in Orthopaedic Surgery***
Detroit Medical Center, Wayne State School of Medicine
Detroit, MI

2016-2020 ***Medical Doctor Degree***
Wayne State University School of Medicine
Detroit, MI

2011-2015 ***Bachelor of Business Administration***
University of Michigan, Ross School of Business
Ann Arbor, MI

HONORS & AWARDS

Orthopaedic Residency – Detroit Medical Center

2024-2025 Chief Orthopaedic Resident

Medical School – Wayne State University School of Medicine

2018-2019 Clerkship Honors – Orthopaedic Sub-Internship, Internal Medicine, Family Medicine

2018-2019 Clerkship Clinical Commendation – Surgery, Neurology, Obstetrics & Gynecology

2016-2018 Pre-Clerkship Clinical Curriculum Commendations

Undergraduate – University of Michigan, Ann Arbor

2015 Magna Cum Laude Graduate

2013 Merit-based scholarship for 3-week study-abroad in Peru

LICENSURE & CERTIFICATION

2020-Current AHA ACLS Certification

2020-Current AHA BLS Certification

SCHOLARLY ACTIVITIES

Published, Peer-Reviewed Research

Interventions for Obesity and Nutritional Status in Arthroplasty Patients

Rahman TM, **Fleifel D**, Padela MT, Anoushiravani A, Rizvi SA, El-Othmani MM, Sayeed Z. Interventions for Obesity and Nutritional Status in Arthroplasty Patients. JBJS Rev. 2020 Mar;8(3):e0161. doi: 10.2106/JBJS.RVW.19.00161. PMID: 32224637.

Biomechanics of Subcutaneous Locked Plating Versus Burke Plate and External Fixator for Comminuted Distal Radius Fractures

Fleifel D, Pytiak AV, Jin X, Cizmic Z, Vaidya R. Biomechanics of Subcutaneous Locked Plating Versus Burke Plate and External Fixator for Comminuted Distal Radius Fractures. Cureus. 2023 May 17;15(5):e39142. doi: 10.7759/cureus.39142. PMID: 37332475; PMCID: PMC10275508.

Trigger Wrist Caused by a Rheumatoid Nodule on the Flexor Pollicis Longus Tendon

Higginbotham D, **Fleifel D**, Tsai A. Trigger Wrist Caused by a Rheumatoid Nodule on the Flexor Pollicis Longus Tendon. Ochsner J. 2023 Spring;23(1):64-66. doi: 10.31486/toj.22.0033. PMID: 36936494; PMCID: PMC10016208.

Pathologic Pubic Symphysis Diastasis in Pregnant Pelvic Ring Fracture Treated with INFIX: A Case Report

Fleifel D, Vaidya R, Nasr K. Pathologic Pubic Symphysis Diastasis in Pregnant Pelvic Ring Fracture Treated with INFIX: A Case Report. JBJS Case Connect. 2023 Apr 18;13(2). doi: 10.2106/JBJS.CC.22.00790. PMID: 37071740.

Mentorship in a Surgical Residency: A Comprehensive Review of the Literature

Steelman K, **Fleifel D**, Waheed M, Vaidya R
Cureus. 2023 Aug 13;15(8):e43422. doi: 10.7759/cureus.43422. PMID: 37706144; PMCID: PMC10495694.

Conference Presentations

Accuracy of ICD-10 and AIS05 Codes for Describing Orthopaedic Injuries

-Conference presentation. DMC Orthopaedic Research Day. June 2024

Subcutaneous Locking plate for Comminuted Distal Radius Fractures.

-Virtual podium presentation. DMC quESST Research Conference. April 2023
-Poster Presentation. Michigan Orthopaedic Society. June 2023

Pathologic Pubic Symphysis Diastasis in Pregnant Pelvic Ring Fracture Treated with INFIX

-Poster Presentation. Michigan Orthopaedic Society. June 2022

Prior Research Engagement

Medical School

2016 **Extracorporeal Life Support Research Lab**
University of Michigan, Ann Arbor
Assistant in Research
Mentors/advisors: Robert Bartlett M.D., Alvaro Rojas M.D.
-Responsible for data acquisition, analysis, and entry for several projects, contributing to work that received a multi-year AHA grant.
-Focused on ECPR data, determining the efficacy of CPR based off intravascular pressure monitoring and organ perfusion

Undergraduate

2018-2019 **Center for Cardiac Arrhythmia Research**
University of Michigan, Ann Arbor, MI
Assistant in Research
Mentor/advisor: Jonathan Hernandez, Hector Valdivia
-Responsible for creating and maintaining contractile in-vitro cardiomyocyte matrices, utilizing gene editing for disease modeling

Conferences & Laboratories

2024 AAHKS Resident Course and Conference
Dallas, TX

2024 AO Trauma Advanced Principles of Fracture Management
Toronto, CA

2023 Anterior Hip Foundation Resident and Fellow Lab and Symposium
Las Vegas, NV

2023, ’22 Michigan Orthopaedic Society, Poster Presentations
Mackinac Island, MI

2022 AAHKS Resident Course and Conference
Dallas, TX

2022 AAOS Fundamental Concepts of Primary Hip and Knee Arthroplasty
Chicago, IL

2021 Zimmer Americas Resident Course in Arthroplasty
Las Vegas, NV

2021 AO Trauma Basic Principles of Fracture Management
San Diego, CA

PROFESSIONAL MEMBERSHIPS & SOCIETIES

2024-Present AAHKS, *Member*

2020-Present American Medical Association, *Member*

2020-Present American College of Physicians, *Member*

PRIOR EMPLOYMENT, ORGANIZATIONS, & VOLUNTEERING

2016-2020 **Healthy Hearts**, Founding member, President ’17-’18, Finance Chair ’16-‘17
Wayne State University School of Medicine, Detroit, MI
Worked with Detroit Public Schools to bring lectures and guided animal heart dissection to elementary and middle school students. Lectures focused on healthy living choices.

2016-2020 **Co-Curricular Volunteer Program**
Wayne State University School of Medicine, Detroit, MI
Attended various volunteer events in the Detroit area, committing over 55 hours per year. Activities included Cass Student Run Free Clinic, Gleaners food bank, ACCESS clinic, Rouge River Preservation, etc.

2015-2016 **Rapid Response EMS**, Emergency Medical Technician
Detroit, MI
Responded to 911 emergencies as a medical first-responder throughout the Wayne County area, responsible for the field treatment and safe transportation of patients en route to hospitals.

2014-2015 **Course Facilitator of Chemistry Principles & Introduction to Quantum Chemistry**
University of Michigan, Ann Arbor, MI
Designed lesson plans & review questions to lead a group of 10 students in the course, responsible for initiating discussion and breaking down complex topics.

2013-2015 **University of Michigan Hospital Volunteer**
Ann Arbor, MI
Aided physicians, nurses, technicians, and patients in the emergency department.

20111-2015 **Society of Biology Students**, President ’13-’14, Treasurer ’12-‘13
University of Michigan, Ann Arbor, MI
Weekly seminar inviting professors and researchers to present their investigative topics. An apex of the work included organizing the appearance of a prominent NASA AMES scientist, attracting over 200 attendees to presentation.

2013-2015 **Pre-Medical Club**, Physician Shadowing Director ’14-‘15
University of Michigan, Ann Arbor, MI

Worked with 50 physicians per semester, pairing their availability with 100-plus undergraduate PMC members, providing students with physician shadowing.

2014 **Business of Healthcare – Peru Study Abroad**
Lima, Peru

Within a healthcare-focused business course, traveled to Lima, Peru on scholarship for a business study abroad trip, focused on improving the developing health care system and accessibility to primary care.

2013 **Medical Education Service Opportunities**
Medical Relief Trip
Panama, Panama

Traveled to Panama for a 9 day medical outreach trip, delivering needed medical attention and supplies to rural villages out of reach of hospital treatment.

INTERESTS & HOBBIES

Peloton – Team Olivia & AT
Weightlifting
Space & Aviation geek – Private pilot
Traveling with my wife
Exploring the trove of Midwest breweries
Grilling and BBQ enthusiast – Love my Kamado Joe!