

ORTHOPAEDICS

**ANNUAL
REPORT**

2024-2025

CONTENTS

03 WELCOME

04 FACULTY

08 FACULTY & STAFF

- 08 Honoring the Legacy of John Lubicky
 - 11 In Memoriam
 - 11 Awards & Honors
 - 12 Staff Photos
 - 14 Advanced Practice Providers
-

16 CULTURE

- 16 Department Life
 - 18 The Chair's Corner
 - 19 Philanthropy
 - 20 Strategic Plan
-

22 PATIENT CARE

- 23 Awards & Recognitions
 - 24 System Map
 - 25 Orthopaedics in Sports
 - 26 Patient Stories
-

30 EDUCATION

- 30 Fellowship News/Arrivals
 - 31 Residents
 - 32 Resident Research Day
 - 34 Residency Program — 2024 Presentations and Publications
-

36 SYSTEM

- 36 Expanding Care Across West Virginia
-

38 RESEARCH

- 42 Active Grants
 - 43 Clinical Trials
 - 44 Publications
-

47 THANK YOU

Welcome

A PLAN, A PATH, A PURPOSE

When my three boys were little and we'd call them in from being outside, that path was rarely straight. It often involved stops to poke gum on the sidewalk, overturn a rock to count the slugs, and shoot one more basket before they finally made their way in to set the table and prepare for dinner. Just as my sons' wandering paths eventually led them to the dinner table, our patients' paths to health often take unexpected turns.

We start out planning for their hip replacement and end up correcting their diabetes or improving their osteoporosis, eventually replacing joints and getting them back to living their lives and doing what they love. Even within surgery, a simple fracture can present unexpected challenges where years of gained expertise and experience allow us to make the phrase, "bone broke, me fix," seem so simple and understood. The structure of a plan provides guidance, and without it, we can be left wondering which direction to turn first. We can experience this personally as well as professionally, and we can experience this as a Department.

To better guide us on our path, the clinical faculty within the WVU Medicine Department of Orthopaedics participated in a retreat to outline a new Strategic Plan. Within this plan, we outlined our mission, vision, and core values in which we committed to "setting the standard in orthopaedic care"(page 46). While these can seem cheesy or an opportunity for a corporate meme, I was so impressed at the level of importance our faculty put into developing the mission statement, debating over the meaning of each word, and emphasizing the impact that our Department can have on the people of West Virginia.

We identified our five pillars:

Education, Patient Care, Research, Culture, and System

Within these pillars, we outlined the path to achieve the greater goal that we defined in our mission statement. This path becomes essential because life can be distracting. These distractions can come in the form of a patient with an emergency or a loved one becoming ill. However, not all distractions have to be bad. This past year, we had some wonderful distractions in some truly memorable moments (pages 8, 10,16):

- We celebrated the retirement of Antoinette Summers after 30 years of service to the Department.
- We honored Dr. John Lubicky upon his retirement, recognizing his lifetime commitment to orthopaedics and his 14 years of dedicated service to pediatric orthopaedics in West Virginia.
- We found ways to celebrate with each other, whether in the Orthopaedic Olympics or Cookies and Cocoa with Santa.

Our strategic plan and Department leaders help us refocus and stay on our path so we can continue achieving excellence in areas such as:

- Dr. Li's NIH R01 grant in which he uses nanotechnology to address antibiotic-resistant bacterial infections or
- The superb work done by Dr. Frye and the Center for Joint Replacement to get President Gee back on his feet.

Healthcare has unique challenges — the constant pressures of patient care, the seemingly never-ending medical records, and the ever-changing bureaucratic hoops that always seem to be moving. It can make staying on this path seem more daunting, leading to overwhelm and burnout within our professions. Wellness is a focal point for our Culture pillar and was a topic of significant focus in our strategic planning sessions. Still, at times, we find ourselves looking for the deeper meaning of why we participate in this greater mission. That is where "purpose" comes in.

Simon Sinek describes our purpose as finding our "why." If we can focus on that "why" or our underlying reason for doing what we do, we can achieve great things. Our purpose, or "why," gives us a reason to get back on the path or navigate obstacles so we can provide the exceptional care our Department is known for, develop a comprehensive orthopaedic education program, and conduct innovative research that translates directly to our patients at the bedside.

Our plan, guided by clear pillars, provides stability and direction. The path ahead will undoubtedly have moments worth savoring, reminding us to embrace the journey as much as the destination. Anchored firmly by our shared purpose, we can confidently move forward, committed to excellence in orthopaedic care, education, and innovative research that can transform lives.

In the coming year, I look forward to sharing our progress as we bring our strategic plan to life. We will remain focused on the path we've charted together, guided by our purpose that gives deeper meaning and inspires excellence in all we do.



Matthew J. Dietz, MD, FAOA
Professor and Chair
Department of Orthopaedics
West Virginia University



Faculty



Matthew J. Dietz, MD, FAOA
Chair, Professor,
Adult Reconstruction



John C. France, MD
Executive Vice Chair;
Chief, Spine;
Director, Spine Fellowship;
Professor



John P. Lubicky, MD
Past Vice Chair of Pediatrics;
Professor Emeritus



E. Barry McDonough, MD
Vice Chair of Education;
Chief, Sports Medicine;
Residency Program Director;
Professor



Daniel R. Grant, MD
Associate Chief Quality Officer;
Vice Chair of Pediatrics;
Associate Professor



George K. Bal, MD
Associate Professor,
Sports Medicine



Kathryn Bosia, DPM
Assistant Professor, Podiatry



Michelle A. Bramer, MD
Chief, Trauma;
Assistant Residency
Program Director;
Associate Professor



Rusty Cain, DPM
Assistant Professor, Podiatry



Scott D. Daffner, MD
Professor, Spine



Sanford E. Emery, MD, MBA
Professor Emeritus, Spine



Felicity Fisk, MD
Assistant Professor, Spine



Benjamin M. Frye, MD
 Medical Director, Center for
 Joint Replacement;
 Director, Adult Reconstruction
 Fellowship;
 Associate Professor



Derik Geist, MD
 Assistant Professor,
 Sports Medicine



John Guido, MD
 Assistant Professor,
 Medical Optimization



Joanna Horstmann, MD
 Assistant Professor, Pediatrics



David F. Hubbard, MD
 Medical Director of
 Perioperative Services;
 Professor, Trauma



Eli Joseph, MD
 Assistant Professor, Trauma



Jonathan Karnes, MD
 Assistant Professor, Spine



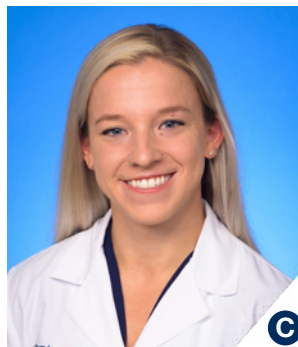
Kathryn Kasicky, MD
 Assistant Professor,
 Medical Optimization



Cherie Kelly-Danhires, DPM
 Assistant Professor, Podiatry



Adam E. Klein, MD
 Associate Professor,
 Adult Reconstruction



Madison Lapp, MD
 Assistant Professor,
 Sports Medicine



Bingyun Li, PhD
 Professor, Orthopaedics



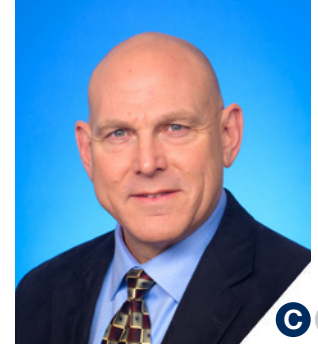
Naji Madi, MD
Assistant Professor,
Foot and Ankle



Dina Maruca, PT, PhD
Professor, Orthopaedics
Human Performance -
Physical Therapy



Grant McChesney, MD
Assistant Professor,
Adult Reconstruction and
Musculoskeletal Oncology



James 'Jim' Moeller, MD
Professor, Sports Medicine



Benjamin Moorehead, MD
Assistant Professor,
Sports Medicine



T. Ryan Murphy, MD
Assistant Professor,
Adult Reconstruction



Kylie Parrish, MD
Assistant Professor,
Medical Optimization



Andrew Parsons, MD
Assistant Professor, Pediatrics



Ming Pei, MD, PhD
Professor, Orthopaedics
Human Performance -
Exercise Physiology



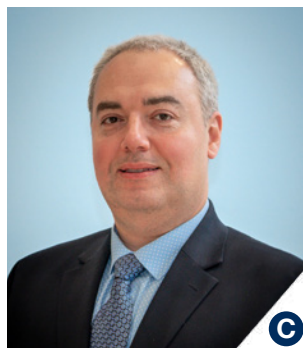
Jami Pincavitch, MD
Director, Medical Optimization;
Associate Chief Medical
Information Officer;
Associate Professor



Jake Powers, DPM
Assistant Professor, Podiatry



B. Joseph Prud'homme, MD
Christopher R. Cline Chair;
Executive Director of Orthopaedic
Surgery for Thomas Hospitals;
Professor, Hand and Upper
Extremity Surgery



Shafic Sraj, MD, MBA
 Director, System Integration;
 Associate Professor,
 Hand and Upper Extremity
 Surgery



Aabha Suchak, DPM
 Assistant Professor, Podiatry



David Tager, MD
 Assistant Professor, Pediatrics



John S. Taras, MD
 Chief, Hand and Upper
 Extremity Professor

Uniontown Faculty

Incoming Faculty



Colleen Watkins, MD
 Associate Professor, Metabolic
 Bone Disease



Andrew Wroblewski, MD
 Assistant Professor, Hand and
 Upper Extremity



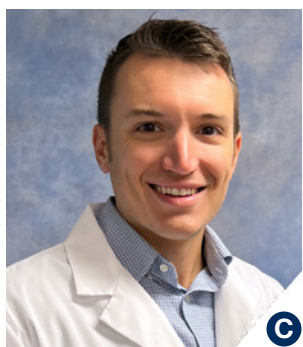
Eric Chamberlin, MD
 Assistant Professor,
 Orthopaedics



2025

Michael Niemann, MD
 Assistant Professor,
 Hand and Upper Extremity

Parkersburg Faculty



Alexander Conti, MD
 Assistant Professor,
 Orthopaedics



George Herriott, III, MD
 Assistant Professor,
 Orthopaedics



John McElroy, MD
 Assistant Professor,
 Orthopaedics



Lunden Ryan, MD
 Assistant Professor,
 Orthopaedics

HONORING THE LEGACY of a Retiring Physician

John Lubicky, MD

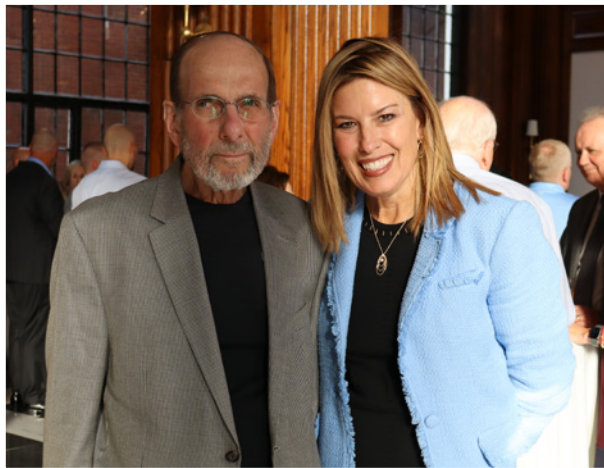
In the fall of 2024, family, friends, alumni, colleagues, staff, and residents came together to recognize **John Lubicky, MD**, for nearly three decades of service to the pediatric population as professor of Orthopaedic Surgery and Pediatrics at the WVU School of Medicine. The reception was followed by Dr. Lubicky's Last Lecture, "The Road to Here," which highlighted his life lessons and career accomplishments. Amy Bush, BSN, MBA, RN, CNOR, chief administrative officer for WVU Medicine Children's, also honored Lubicky prior to the WVU Football game against Kansas in September.

The LAST LECTURE



Honoring Dr. Lubicky

A graduate of Jefferson Medical College, Lubicky completed residency at the Medical College of Virginia, a Pediatric Orthopaedic Surgery Fellowship at Shriners Hospital for Children in Chicago, and a Spine Surgery Fellowship at Rush University Medical Center in Chicago. He is the former chief of staff at Shriners Hospital for Children. He is also a fellow of the American Academy of Orthopaedic Surgeons, the American Orthopaedic Association, the Scoliosis Research Society, and the Pediatric Orthopaedic Society of North America.



Dr. Lubicky and Amy Bush

“ Dr. Lubicky’s contributions have advanced the field of Orthopaedics locally and across the nation. Throughout his career, he’s dedicated so much time and effort to educating Orthopaedic residents, caring for the pediatric population, and serving others through international mission trips. While he retires after a lifetime of excellence in Orthopaedics, he’ll continue to be a part of our story here at WVU Medicine. ”

● Matthew Dietz, MD



Drs. Matthew Dietz, John Lubicky, and Daniel Grant



Celebrating **THREE DECADES** of career accomplishments and support

In July 2024, WVU Medicine Orthopaedics faculty and staff gathered to celebrate the career of **Antoinette Summers**, who retired after 30 years in the Department. As business administrator, Antoinette witnessed the program’s evolution through three Department chairs. She was an integral part of Orthopaedics’ growth from infancy to present-day scale — from just three surgeons to more than 40 faculty members.

“I can’t thank Antoinette enough for all she’s done for the hospital, UHA, and the Orthopaedics Department. We appreciate her hard work through all the changes that have occurred here at WVU Medicine over the past 30+ years. Antoinette was key in growing our services, expanding faculty and staff, and always taking care of our patients. Without question, she was a true partner for all of us.”

/ Darin Rogers

Vice President and Chief Ambulatory Operations Officer, WVU Medicine

“In my time with Antoinette, you could see how passionate she was about Orthopaedics and the role she played in the Department for many years. She was well respected, knowledgeable, and a true master of her craft. Our time spent together focused on highlighting the odds and ends of the Department while I asked copious amounts of questions that sparked vast conversations. Antoinette would describe the “why” and “how” on how the Department became what it is today. I will always remember how she looked at me and said, ‘Now, Jonathan, don’t let them spend all of your money.’ Not only did we cover tips and tricks on operations and finances, but she also showed me the true culture of Orthopaedics through compassion, hard work, and due diligence.”

/ Jonathan Lewis

WVU Medicine Department of Orthopaedics Business Administrator

“Antoinette has been a calming and steady hand at the helm for as long as I have been here.”

/ Adam Klein, MD

Orthopaedics Associate Professor



Jerry and Antoinette Summers; Gwen Emery, MD, and Sandy Emery, MD; Michelle and Matthew Dietz, MD



Antoinette Summers with daughter, Carley, and husband, Jerry

In Memoriam:

A Tribute to Dr. Jack Koay

Written by Dr. John Lubicky, Professor Emeritus



Dr. Jack Koay, 89, died on November 2, 2024, after a long, hard battle with cancer. He was the orthopaedic surgeon of Fairmont for 50 years. He was a man of exceptional intelligence and, at the same time, incredibly kind and gentle with a work ethic secondary to none. He was a pillar of the local medical community and

was active in the overall Fairmont community as well. He was truly dedicated to his patients and faithful to the medical profession.

Jack was born in humble surroundings in Malaysia and endured the frightful Japanese occupation during WWII. After high school, he travelled to Taiwan for medical school and was so poor that he had to travel by cargo ship rather than a passenger liner.

He immigrated to the United States and received his postgraduate orthopaedic training in U.S. hospitals, including a fellowship in hand surgery. In 1971, he chose to set up a solo private practice in Fairmont, where he worked for his entire career. His practice was busy, but he always went the extra mile when someone needed his care.

Nothing seemed “too much” for him. His motto was: **“If there’s a will, there’s a way.”**

Jack and his wife, Dr. Mary Ellen Koay, raised their four children who helped out in the practice, learning valuable life lessons and becoming successful in their own right.

I got to know Jack and Mary Ellen as they often attended WVU Orthopaedics functions. Jack reached out to me soon after I arrived in Morgantown and invited me to give lunchtime lectures on musculoskeletal conditions for the medical staff of the Fairmont clinic. This was his way of welcoming me into the area, and he was always very kind to me. He sometimes called me to ask about cases for which he needed advice.

He was a very friendly man who seemingly never forgot a face and could recall details about past patients due to his incredible memory.

Jack leaves behind a legacy of service, friendship, and dedication to his family, friends, and patients. He will be sorely missed.

Awards & Honors

Faculty member accepted into American Orthopaedic Association, receives WVU Medicine award

WVU Medicine Orthopaedics Associate Professor, **Daniel Grant, MD**, was inducted into the American Orthopaedic Association, an organization of orthopaedic leaders dedicated to intellectual sharing and honing knowledge, skills, and leadership among its members.



Dr. Grant also received a WVU Medicine Service Recognition Award for Quality and Patient Safety in June 2024.



Awards & Honors Continued

Christina Lattanzo,
lead Orthopaedic tech,
recognized as high performer

Executive Ambulatory Leadership recognized **Christina Lattanzo**, lead Orthopaedic tech at the Spine Center, as a high performing team member during Orthopaedic clinic rounds at the Spine Center.

“Tina is a very caring and compassionate person. She takes great care of our patients and often goes above and beyond. Her work has made a significant impact on the Spine Center’s success.

Tina is also a wonderful mentor to new employees and always makes sure everyone feels welcome. She has been with our Department for 12 years now and continues to be one of our top performers.”

Donna Mars
Manager, WVU Medicine
Ambulatory Services



Faculty & Staff Photos



POC

Valerie Quertinmont, RN, Clinic; Donna Mars, ambulatory office manager; Josh Glover, RN, Clinic



POC

Amanda Davis, Ortho tech; Madison Barrette, ACA; Jolene Szarmach, Ortho tech; Krystal Zarambo, ACA; Jennifer Malone, lead Ortho tech; Bethany Martin, Ortho tech



Spine Center

(Front left to right)
Victoria Gifford, Ortho tech; Lauren White, registration specialist

(Back left to right)
Gena Kim, registration specialist; Mark Townsend, Radiology technician; Donna Mars, ambulatory office manager



HSC Staff

(Left to right) Jonathan Lewis, administrator; Ashley Wolfe, administrative assistant; Dominique Friend, registration specialist; Renae Di Lorenzo, surgical scheduler/admin assistant; Kim Groves, financial analyst; Nancy Olmos, surgical scheduler/admin assistant; Kerry Fluharty, executive assistant; Stacey Sensabaugh, surgical scheduler/admin assistant; Jennifer Forquer, surgical scheduler/admin assistant; Cindy Thompson, senior program administrator; Nancy McGalla, surgical scheduler/admin assistant; Hawa Hamidi, surgical scheduler/admin assistant; Jacqueline Horton, surgical scheduler/admin assistant; Julia Renner, surgical scheduler/admin assistant; Kelsey Starr, associate administrator

Missing from photo: Melinda Quarrick and Nickole Zara (surgical schedulers/admin assistants)



UTC Athletic Trainers

(Seated from left to right)
Randi Humphrey, Tera Fetty, and Sarah Jordan

(Standing from left to right)
Trevor Humphrey and Samantha Young



UTC Staff

(Seated from left to right)
Morgan Larew, Ortho tech; Paula Salamone, Ortho tech; Brittany Wolfe, MA; Samantha Uphold, MA; Destiny Sheets, MA

(Standing from left to right)
Leanna Weidman, MA; Betsy Byrd, MA; Amber Mefford, MA; Rodney Murray, Ortho tech; Jessica Kaczmarczyk, Ortho tech; Angie Lamp, MA



UTC Staff

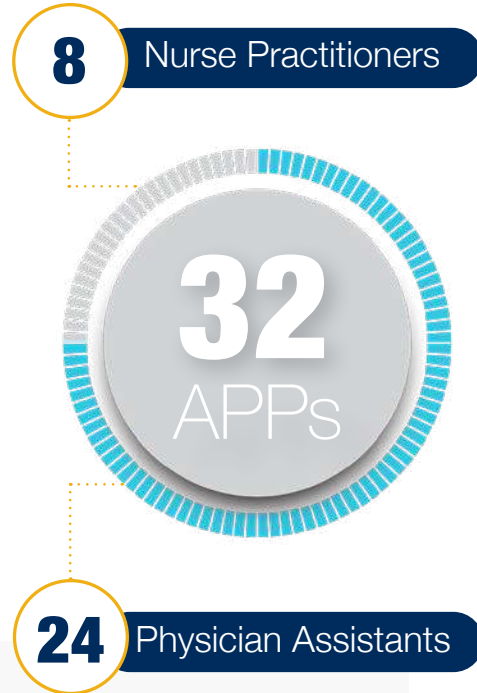
(Seated from left to right)
Cindy Drummond, RN, Orthopaedic nurse navigator; Natalie Gilbert, RN

(Standing from left to right)
Aaron Gifford, RN; Felix Daniher, RN, case manager; Kerry Howard, RN, ambulatory coordinator

Advanced Practice Providers

The **Department** employed the services of 32 advanced practice providers (APPs) in **2024**, including 24 physician assistants and eight nurse practitioners.

APPs play a vital role in meeting the needs of orthopaedic patient care. From evaluating and treating patients in clinic to assisting with surgeries, communicating with patients, and overseeing data collection, APPs are involved in every subspecialty as well as our Orthopaedic Medical Optimization Program (OMOP) and inpatient service.



Advanced Practice Providers by Specialty

New Hire 2024

ADULT RECONSTRUCTION

Nathan Guerriere, PA-C
 Kelsey Laughery, PA-C
 Katie Seifried, PA-C
 Stacy Skidmore, PA-C
[Steven \(Isaac\) Vess, PA-C](#)

FOOT & ANKLE

Hannah Williams, PA-C

HAND & UPPER EXTREMITY

Colleen Allison, APRN
 Rachel Dearth, PA-C
 Jon Kline, PA-C
 Kelsie Lusk, PA-C

INPATIENT

Brooke Sargent, APRN
[Lauren Statler, APRN](#)

METABOLIC BONE DISEASE

Jodi Miller, APRN
 Ashley Wilson, APRN

MUSCULOSKELETAL ONCOLOGY

Stacy Skidmore, PA-C

ORTHO MEDICAL OPTIMIZATION PROGRAM

Valerie Matyus, APRN

PEDIATRIC ORTHOPAEDICS

Holly Bonnell, PA-C
 Brittney Dzugan, PA-C

SPINE

Kiesha Bullough, PA-C
[Randi Davis, APRN](#)
 Emily Viglianco, PA-C

SPORTS MEDICINE

[Deidra DeMoss, PA-C](#)
 Travis Randolph, PA-C
[Brett Sigley, PA-C](#)
 Amy Stubblefield, PA-C

TRAUMA

[Blake Beneke, APRN](#)
 Laura Stavrakis, PA-C

Uniontown

Kristin Siemon, PA

Parkersburg

Patrick Corbitt, PA
 Allison Huggins, PA
 Cady Lengington, PA
 Brook Morgan, PA
 Heidi Rusk, PA

APPs Continued



POC APPs

(From left to right)

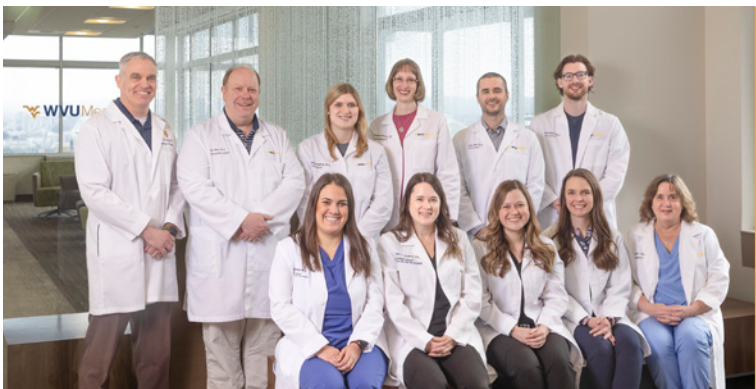
Jodi Miller, APRN; Hannah Williams, PA-C;
Blake Beneke, APRN; Laura Stavrakis, PA-C;
Brittany Dzugan, PA-C; Holly Bonnell, PA-C;
Ashley Barber, APRN



Spine Center APPs

(From left to right)

Randi Davis, APRN; Kiesha Bullough, PA-C;
Emily Viglianco, PA-C



UTC APPs

(Seated from left to right)

Katie Seifried, PA-C; Kelsey Laughery, PA-C;
Rachel Dearth, PA-C; Kelsie Lusk, PA-C;
Colleen Allison, APRN

(Standing from left to right)

Travis Randolph, PA-C; Jon Kline, PA-C;
Deidra DeMoss, PA-C; Valerie Matyus, APRN;
Isaac Vess, PA-C; Brett Sigley, PA-C



Uniontown APP

Kristin Siemon, PA-C

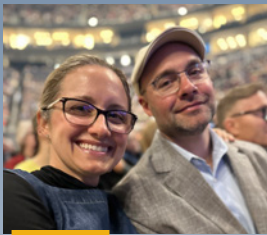
CULTURE

DEPARTMENT LIFE

2024 Olympics and Resident Graduation

In June 2024, the Department hosted the **2024 Orthopaedic Olympics** at Camp Muffly in Morgantown. Residents and faculty participated in competitive events, including homerun derby, bottle bash, jousting, bungee basketball, stein holding, and more. The day concluded with an awards ceremony and dinner at Tropics. The Olympics and evening event were supported through a

generous donation by **Drs. Frank (Graduate 2010) and Heather Grisafi.**



2024

Resident & Faculty Awards

Each year at graduation, awards are given to residents and faculty who go above and beyond in contributing to Orthopaedic resident education programs.



Grant Slack, MD
Outstanding Junior Resident Award



Edwin Chaharbakshi, MD
John P. Lubicky Orthopaedic Knowledge Award



Eli Joseph, MD
Faculty Teacher of the Year Award



Taylor Shackelford, MD
Resident Teacher of the Year Award



Brody Fitzpatrick, MD
Resident Research Award



Michael Niemann, MD
John C. France In-Training Award



The Chair's Corner

Matthew Dietz, MD, professor and chair, is committed to mentoring students, connecting with colleagues, and engaging with the WVU Mountaineer community.



Dietz attends and moderates at Turkey World Experts meeting

In August 2024, **Dr. Dietz** was invited as a faculty member and moderator for the first-ever World Experts Meeting in Arthroplasty in Istanbul, Turkey. The event brought together more than 600 world experts, including 170 faculty from 60 countries and hundreds of orthopaedic surgeons from across the globe, to explore the best practices in orthopaedics and discuss the latest developments in arthroplasty.



Dr. Hassan Ramadan, chair of WVU Otolaryngology; Albert L. Wright, Jr., president and CEO of the WVU Health System; and Dr. Dietz at the 2024 Backyard Brawl between WVU and the University of Pittsburgh



WVU Medicine Orthopaedics Business Administrator Jonathan Lewis and Dr. Dietz



Michelle Dietz; Boston Celtics Head Coach and former Mountaineer Basketball Player, Joe Mazzulla; Dr. Dietz



Dr. Dietz and WVU President E. Gordon Gee



Dr. Dietz with Orthopaedic faculty members Bingyun Li, PhD, Daniel Grant, MD, and Ming Pei, PhD; graduate students Paris Taylor, Nour Bouji, Kneisha McDonald, and Quinyang Li; research assistant Elizabeth Stewart; and INTRO and INBRE student researchers



Michelle and Dr. Dietz with their sons, Connor, Evan, and Ryan, at the WVU Football Coal Rush game

DEPARTMENT LIFE & PHILANTHROPY

2024 American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting

Faculty, alumni, and fourth-year residents attended the 2024 AAOS Annual Meeting held in San Francisco.

Michelle and Matthew Dietz, MD hosted a tour of the San Francisco Brewing Company, followed by a private bus tour of the city. The Department also hosted its annual alumni reception at Barrio restaurant in Ghirardelli Square.



Nationally recognized speaker visits campus as part of first lecture series

On May 2, 2024, Chad Porter, motivational speaker and author of *Severed Dreams: Reconstructing Your Purpose*, visited the WVU Health Sciences Center to deliver a message on finding courage, staying resilient, and reaching your full potential.

Philanthropy



Faculty, staff, and residents unite for philanthropic causes throughout the year, including supporting the WVU Medicine Children's Hospital Gala, participating in the Pittsburgh Cure for Sarcoma 5K, donating to a local domestic violence shelter, and more.



Staff members serve residents at WVU Medicine Rosenbaum Family House

In December, staff members served a spaghetti dinner at the Rosenbaum Family House, a "home away from home" for loved ones of patients receiving care at WVU Medicine J.W. Ruby Memorial Hospital.



STRATEGIC PLAN

Five-pillar plan aims to advance patient care, emphasize education, and advance research in Orthopaedics

In the summer of 2024, clinical faculty members gathered for two pivotal retreats in collaboration with Third River Consulting. These retreats provided a dedicated forum to discuss key areas essential to advancing the department’s mission, including resident education, faculty development, patient care, and other strategic initiatives.

The retreats served as an opportunity for faculty to engage in meaningful discussions, share insights, and establish actionable goals. With a focus on enhancing orthopaedic education and clinical practice, participants examined best practices, identified areas for improvement, and explored innovative approaches to training the next generation of orthopaedic specialists.

“We wanted to create an organized vision with a path and a plan supported by our purpose of how to advance patient care, prioritize education and research, and continue to be a leader in Orthopaedic care across the state,” Dietz said.

The insights gained from these retreats will play a crucial role in shaping the department’s strategic direction in the coming years. By fostering collaboration, encouraging innovation, and prioritizing education and patient care, the Department continues to strengthen its commitment to excellence.

Through these faculty retreats, the Department reaffirmed its dedication to growth, learning, and the continuous advancement of orthopaedic education and patient care. As a result, both faculty and residents are better positioned to contribute to the evolving field of orthopaedics and make a lasting impact on the future of musculoskeletal healthcare.

June Faculty Retreat – Nemaquin



August Faculty Retreat – Touchdown Terrace



STRATEGIC PLAN *Continued*

Education

“The time and effort we invest in education not only benefits our patients today, but for years to come.”

– **Barry McDonough, MD**



Patient Care

“Quality patient care is not just a service — it’s a commitment to trust, loyalty, and long-term success.”

– **Travis Randolph, PA-C; John France, MD; and Benjamin Frye, MD**



Culture

“The goal of the culture pillar is to promote wellness and community within the Orthopaedic Department. We will work together to keep the members of our Department informed regarding work-related information and planned wellness activities. Our commitment is to continue to promote the culture of our Department, improve well-being, and avoid burnout.”

– **Michelle Bramer, MD**



Research

“Everything we do is an attempt to take better care of our patients. Research sits in a lab or in a journal unless we translate that information from the bench to the bedside. Research isn’t about self-promotion but about improving the care that’s available to our patients. It is challenging but can be quite exhilarating developing and innovating novel solutions to unsolved problems.”

– **Matthew Dietz, MD**



System

“With the rural nature of West Virginia and the growth of the WVU Health System, the ‘System Pillar’ within WVU Medicine Orthopaedics aims to strengthen collaboration and optimize orthopaedic care in the state with the goal of improving patient access, experience, and quality of care.”

– **Daniel Grant, MD, and Shafic Sraj, MD**

PATIENT CARE

ORTHOAEDIC CLINICS

/ PHYSICIAN OFFICE CENTER

The Physician Office Center (POC) home to our trauma, pediatric, foot & ankle, podiatry, and metabolic bone clinics. The POC is attached to J.W. Ruby Memorial Hospital.

/ UNIVERSITY TOWN CENTRE

The University Town Centre (UTC) is home to several of our Orthopaedic centers, including the Center for Joint Replacement, the WVU Sports Medicine Center, and the Orthopaedic Hand Clinic. The UTC is conveniently located just off I-79 in Granville. This spacious center offers patients access to their favorite primary care providers.

/ CENTER FOR JOINT REPLACEMENT AT WVU MEDICINE

The Center for Joint Replacement at WVU Medicine offers patients a comprehensive, planned course of treatment. We believe our patients play a key role in ensuring a successful recovery. Our goal is to involve our patients in their treatment through each step of the program.

/ WVU MEDICINE SPORTS MEDICINE CENTER

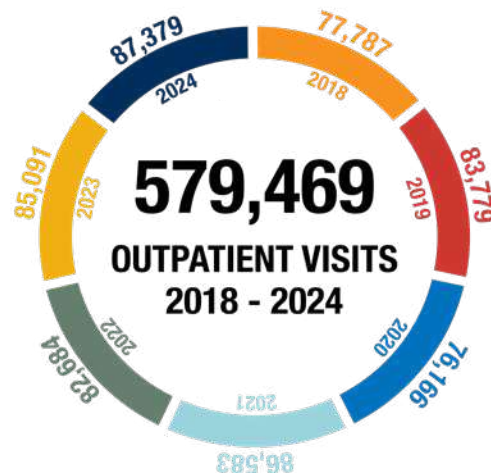
WVU's Sports Medicine Center cares for athletes of all levels. We work to get all patients back to their highest level of activity possible. Our physicians manage sports-related injuries and medical conditions, including muscle and joint pain, sprains, and concussions. The WVU Sports Medicine Center has access to specialists from multiple disciplines.

/ FAIRMONT GATEWAY CLINIC

The Fairmont Gateway Clinic provides podiatry and total joint clinic appointments. It is housed in our WVU Medicine Outpatient Center, directly across from the I-79 Downtown Fairmont exit.

/ WAYNESBURG OUTPATIENT CLINIC

The Waynesburg clinic provides podiatry and features multiple specialties. It is located off the I-79 Waynesburg exit.



/ WVU SPINE CENTER

The WVU Spine Center brings specialists together with a multidisciplinary team approach to provide our patients with comprehensive spinal care. We use a full range of treatment options to ensure that patients with spine problems get the treatment they need quickly, efficiently, and easily. The Spine Center combines the expertise of neurologists, orthopaedic specialists, neurosurgeons, pain management physicians, and rehabilitation services to target every patient's problem and provide optimal treatment.

/ PARKERSBURG ORTHOAEDICS

Parkersburg Orthopaedics at WVU Medicine Camden Clark Medical Center offers comprehensive orthopaedic services utilizing cutting-edge technology solutions and provides excellent care for a wide range of orthopaedic disorders and injuries. *(Joined WVU Orthopaedics in 2024.)*

/ UNIONTOWN SPINE CENTER

The physicians at the WVU Medicine Uniontown Hospital Orthopaedics and Spine Center specialize in the treatment of numerous spinal conditions and have extensive experience in the treatment of diseases and disorders of the spine, neck, and back. Our board-certified surgeons provide expertise in both neurologic and orthopedic spine surgery to address a full spectrum of spine disorders. *(Joined WVU Orthopaedics in 2024.)*

AWARDS & RECOGNITIONS

U.S. News & World Report names WVU Medicine Orthopaedics as High Performing in 2024-2025

In the 2024-2025 rankings, *U.S. News & World Report* recognized WVU Medicine Orthopaedics as High Performing, a distinction that highlights the department’s commitment to excellence in patient care, innovative treatments, and cutting-edge research. This recognition reflects the dedication of faculty, physicians, and staff in delivering top-tier orthopaedic care, advancing surgical techniques, and enhancing patient outcomes. By continually striving for clinical excellence and medical education leadership, WVU Medicine Orthopaedics remains at the forefront of musculoskeletal healthcare, ensuring patients receive the highest quality treatment and recovery support. The Department was also recognized as high performing in total hip and knee arthroplasty as well as spine fusion.

Orthopaedic unit earns highest performance in patient care and experience

The Patient Experience Team and Center for Quality Outcomes at WVU Medicine recognized 7 Northeast — a specialized nursing care and orthopaedic services unit— as the Highest Performing Unit in Patient Experience for 2024, as rated by patient feedback.

“Your dedication, compassion, teamwork, and commitment to excellence have made a profound impact, and this recognition is a direct reflection of you and your team’s hard work. Thank you for all that you do to provide outstanding care every day!”

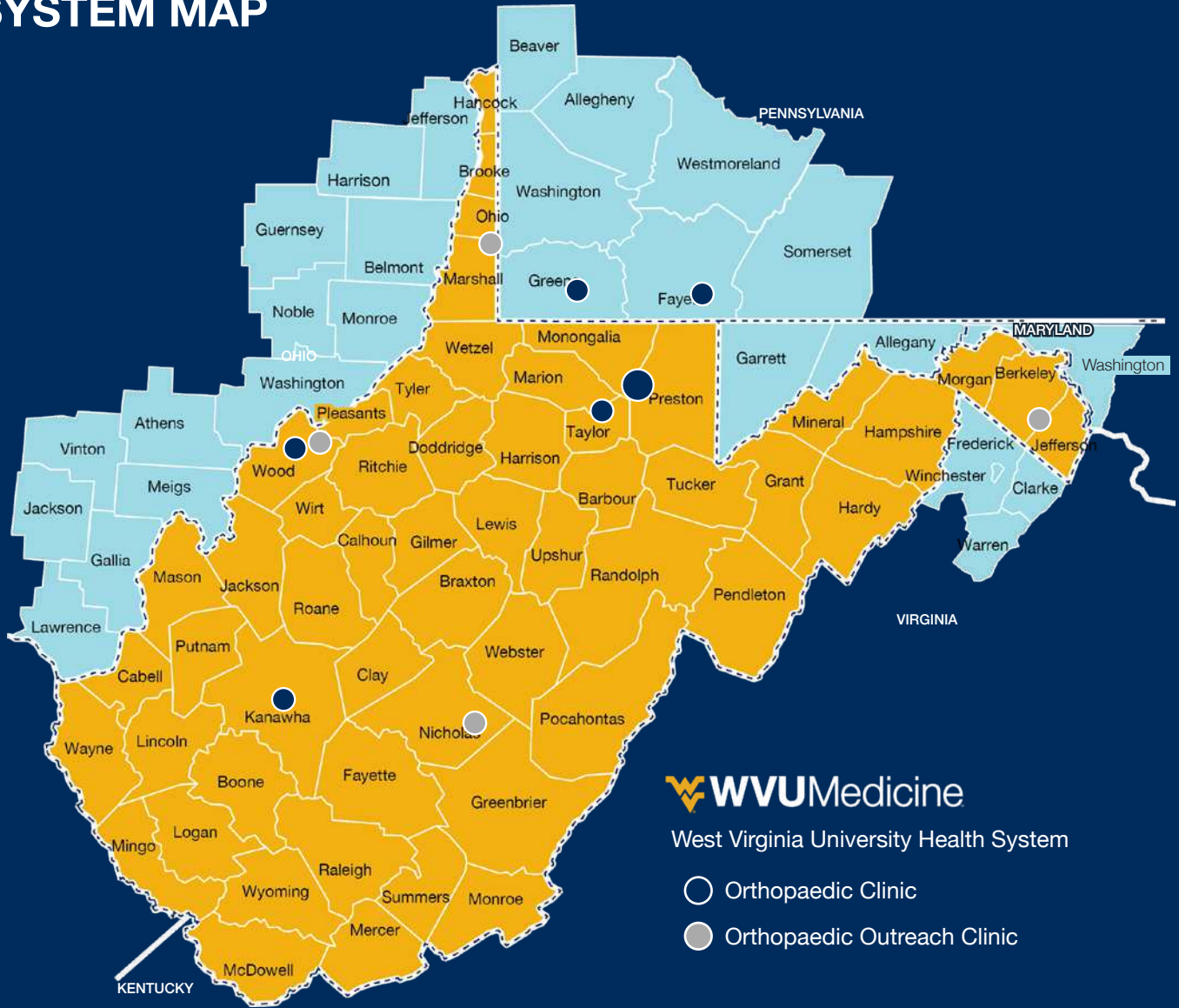
— Kearstin Losh, RT, Quality Manager of Patient Experience



Back Row: Amaru Desai, RN; Kylie Helmick, MSN, RN

Front Row: Carla Stalnaker, RN; Laina McConnell, RN; Bethany Grace, MSN; Nicole Spinnenweber, BSN, RN, manager; Lauren Bissell, RN; Emily Kemp, BSN, RN, clinical preceptor; and Joe Harper, RN

SYSTEM MAP



West Virginia University Health System

- Orthopaedic Clinic
- Orthopaedic Outreach Clinic

Outreach Clinic Locations

SPRING MILLS (MARTINSBURG)

WVU Medicine Spring Mills

SUMMERSVILLE

Summersville Regional Medical Center

VIENNA

WVU Medicine Childrens-Pediatric Specialties Clinic

WHEELING

Wheeling Hospital

Clinic Locations

MORGANTOWN

Physician Office Center
 WVU Spine Center
 WVU Medicine Sports Medicine Center
 Center for Joint Replacement at WVU Medicine

CHARLESTON

Thomas Orthopaedic Hospital

FAIRMONT

Fairmont Gateway Clinic

PARKERSBURG

Mid-Ohio Valley Medical Group

UNIONTOWN

Orthopaedics and Spine Center

WAYNESBURG

WVU Medicine Outpatient Center

ORTHOPAEDICS IN *SPORTS*

Department represented at World Speedskating Championships

In March 2024, **James Moeller, MD**, professor, served as the head team physician for Team USA at the prestigious International Skating Union 2024 World Short Track Speedskating Championships held in Rotterdam, The Netherlands.

As the head team physician, Dr. Moeller was responsible for general medical care for the athletes during practice and the event itself, from routine illnesses to traumatic injuries that may occur during any session on the ice.



“It is an honor to represent the University and Department on this stage. Their support allows me to continue to pursue my personal and professional goals that lie outside the usual lines and it is greatly appreciated,” he said. **“My goal is to bring back all I’ve learned and apply it to the treatment of our Sports Medicine patients here. They deserve the same level of attention and expertise.”**



Drs. Will Byrd and Kaley Haney, PGY-1 residents, and Dr. Barry McDonough, professor of Sports Medicine, providing orthopaedic coverage on the sidelines at a WVU Football game.

Sports Medicine assistant professors Drs. Derik Geist and Benjamin Moorehead and WVU Men’s Soccer athletic training staff members Ethan Solger and Ashlynn Van Wingerden

President Gee credits surgeons for “superb” patient experience

In late 2019, after months of pain, WVU President E. Gordon Gee leaned into the remedy doctors were suggesting might provide him relief— a hip replacement.

“I put off my first hip replacement for a long time even though I was in great pain because I was fearful of losing valuable work time during recovery,” President Gee said. “Finally, I had no choice.”

Under the direction of Benjamin Frye, MD, medical director of the Center for Joint Replacement at WVU Medicine, Gee underwent pre-operative optimization, education, and, finally, a total hip arthroplasty.

After the procedure, Gee experienced immediate pain relief and was back to work much quicker than he expected — a feat due in part to his commitment to the post-surgical plan of his care team.

“President Gee is an extremely motivated person,” Dr. Frye said. “He put in the required rehab after surgery, which made a huge impact in his recovery.”

After his first experience, Gee was less hesitant to pursue the surgery for his other hip.

“After having it done, I could not wait to have my second hip replacement,” he said.

“

My experience from end to end with WVU Orthopaedics was absolutely superb. If they were in my class at law school and I was giving them a grade, it would be a resounding A+.”

/ E. Gordon Gee

President, West Virginia University





In 2023, Gee did just that. The expert team of Frye, advanced practice providers, physical therapists, nurses, the Center for Joint Replacement staff, and the unit on 7 Northeast assisted Gee when his other hip was replaced, bringing him from the operating room, to recovery, to monitoring and discharge in less than 24 hours.

According to Frye, the team in charge of Gee’s care admired his commitment to recovery as much as they appreciated his positive, generous personality.

“He has been extremely kind to our entire staff, voicing appreciation for his great care,” Frye said. “He even sends thank you notes after every encounter, and he goes above and beyond to show his gratitude. I have really enjoyed getting to know him through this process.”

Matthew Dietz, MD, Department chair, echoes Frye’s thoughts on the experience.

“Our surgeons, nurses, and practitioners are exceptional in their commitment to providing outstanding care to every patient — whether it’s our University President or our next-door neighbor,” Dr. Dietz said. “Given his extensive connections, President Gee

could have chosen any hospital in the country for his hip replacements. The fact that he entrusted Dr. Frye and our orthopaedic team highlights the extraordinary level of expertise and compassionate care we deliver on a daily basis. President Gee’s remarkable energy and swift recovery underscore our team’s dedication to excellence. We’re thrilled to see him back on his feet, healthy and active.”

When it comes to lessons learned, Gee offers others one sound piece of advice— “don’t wait.”

“As for those who are thinking about undergoing hip or knee replacement, let me just encourage you to not wait, as did I, and feel miserable for a long period of time,” Gee said. “I cannot imagine that one could have either a better surgical team or better post-operative care than I received from WVU Medicine and from our Orthopaedic Program.”

Dr. Benjamin Frye performing a robotic-assisted total joint arthroplasty.



PATIENT STORIES



As a California transplant, **Jack Williams**, 55, will tell you Martinsburg, West Virginia, was an ideal place to raise children, join a church community, and establish new roots.

Life was going smoothly until early 2023, when Jack faced turbulence in his personal life and noticed a peculiar lump on the back of his thigh.

“I was in a dark place at that time,” he said. “I wasn’t really taking care of myself and brushed it off as a harmless lipoma.”

As months passed, the mass grew. While there was little pain, Jack began experiencing discomfort when sitting, going so far as to construct a DIY cushion to reduce pressure on the mass while driving.

By July, Jack finally decided to see a physician. He visited an urgent care doctor who became immediately concerned over Jack’s condition and referred him to a surgeon for further evaluation.

“The surgeon took one look at my leg and suspected sarcoma,” Jack said. “At this point, I’m in shock. I didn’t fully understand the concept of

an ‘out-of-body experience’ until I learned I may have cancer.”

Sarcoma, a type of cancer that forms in the body’s connective tissues, presents in the form of a malignant tumor within the bones, muscles, tendons, and related areas. While some patients may undergo tumor resection, others face amputation and the risks associated with possible metastasis — cancer spread— to other areas of the body, especially the lungs.

As Jack’s mind grappled with the potential outcomes, his surgeon made a choice that would alter his prognosis forever.

“He referred me to a colleague, a phenomenal WVU Medicine surgeon in Morgantown who specialized in this, and said his incoming replacement would be more than capable of handling my case,” Jack said. “Dr. McChesney wasn’t actually supposed to start for another couple of weeks, but his team called me and offered me an early appointment given the circumstances.”

Immediately, Jack felt a renewed sense of ease and confidence in his care team. When a biopsy confirmed his sarcoma diagnosis, McChesney and his team took charge with a plan to eradicate the cancer from Jack’s body. They also confirmed sarcoma had not yet spread to his lungs, a step in the right direction for prognosis.

“He came to me and said, ‘I feel confident I can spare your leg. I may have to take some muscle, but you should still be able to walk,’” Jack said. “I knew from the moment I met Dr. McChesney that he was a blessing and was committed to the best possible outcome for me.”

Jack’s treatment began with 28 rounds of radiation therapy. During this time, Jack lived and worked remotely out of the WVU Medicine Rosenbaum Family House, a home away from home for patients receiving hospital care.

“Dr. McChesney was a part of every step in the process, calling me often in the evenings to check on my progress,” Jack said. “And my care at the Rosenbaum Family House was amazing, too.”



On Jan. 2, 2024, Jack underwent surgery to have the tumor resected from his leg. When he woke up, the only proof of his tumor’s existence was a new scar.

“Dr. McChesney managed to remove the entire tumor with negative margins,” Jack said. “He explained to me that chemotherapy was my choice — and it would be the most challenging step thus far — but that it would positively impact my prognosis.”

Through six rounds of chemotherapy, Jack weathered the ups and downs with his family, care team, and support systems by his side.

“The WVU Medicine nurses in Nine West came to life and were such a blessing during this time,”

Jack said. “Each round of chemotherapy felt harder than the last, but the compassionate care I received from everyone is what got me through.”

Today, Jack is officially cancer free. He’s since married his childhood friend, Vicki, and enjoys church activities, family time, and exercising without any pain.

Looking back, if he had to go through it all over again, Jack says he’d choose his care team at WVU Medicine each and every time.

“I pray every day that others in a similar situation will meet Dr. McChesney. He has the gift of both confidence and humility to get you through what can be a really challenging time,” Jack said. “I would encourage any person navigating a similar circumstance to drive across the country to come to WVU Medicine for phenomenal care from the Orthopaedics team.”



Jack Williams with Dr. Grant McChesney and Dr. Grant Slack, PGY-4 resident

2025



Benjamin Giertych, MD
SOM: University of Wisconsin



Michael Quinet, MD
SOM: Medical College of Georgia at Augusta University



Kenneth Sabacinski, MD
SOM: Charles E. Schmidt College of Medicine at Florida Atlantic University



Nathaniel Williams, MD
SOM: Pennsylvania State University College of Medicine

2026



Edwin Chaharbakhshi, MD
SOM: Loyola University Chicago Stritch School of Medicine



Brendan Farley, MD
SOM: Central Michigan University College of Medicine

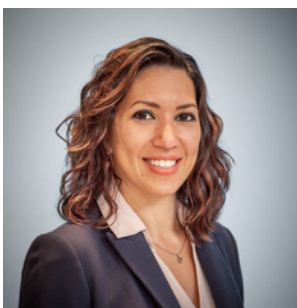


Grant Slack, MD
SOM: Wright State University Boonshoft School of Medicine



Christopher Wilson, MD
SOM: Pennsylvania State University College of Medicine

2027



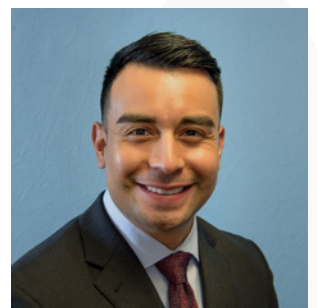
Jennafir Ernst, MD
SOM: University of Pittsburgh



Vincent Morrow, MD
SOM: West Virginia University



Caitlyn Patton, MD
SOM: West Virginia University



John Pisquiy, MD
SOM: Texas Tech University Health Science Center El Paso - Foster School of Medicine



William Cameron Beard, MD
 SOM: University of Texas Medical Branch



Robert DelBello, MD
 SOM: The Long School of Medicine at the University of Texas Health Science Center at San Antonio



Brody Fitzpatrick, MD
 SOM: University of Wisconsin



Emilie Kramer, MD
 SOM: West Virginia University

2028



Jakub Ratkowski, MD
 SOM: University of South Carolina



Tyler Agard, MD
 SOM: West Virginia University



William Byrd, MD
 SOM: University of Alabama



Kaley Haney, MD
 SOM: University of Texas Medical Branch

2029



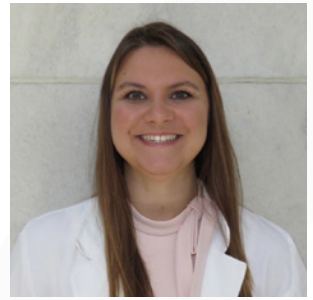
Nicholas Hudock, MD
 SOM: Pennsylvania State University College of Medicine



Landon Armstrong, MD
 SOM: East Tennessee University



Bryan Mouser, MD
 SOM: University of Iowa



Halee Sowinski, MD
 SOM: West Virginia University

2030



Andrew Frear, MD
 SOM: University of Pittsburgh

2031



Resident Research Day

On May 17, 2024, the Department hosted its 28th Annual Resident Research Symposium. This year's event showcased 11 innovative presentations by residents, graduate students, and faculty, highlighting groundbreaking translational research on topics including pediatric forearm fracture fixation, the conversion of captured CO₂ into biomedical nanomaterials, and tandem gait analysis as a predictor of myelopathy.

The symposium also featured esteemed guest lecturer John G. DeVine, MD, FAOA,

professor, chief of spine surgery, and director of the Spine Fellowship Program at the Medical College of Georgia. Dr. DeVine delivered two compelling lectures drawn from his distinguished 24-year military career, focusing on lessons learned in orthopaedics and spine surgery, as well as major advances in cervical spine surgery.

Additionally, DeVine engaged residents in an interactive case conference and shared memorable anecdotes honoring 2023 Faculty Teacher of the Year, Dr. John France.

WVU School of Medicine hosts Interest Group for students interested in orthopaedics

In October 2024, the WVU School of Medicine hosted an Orthopaedic Interest Group that included a “myth busting” panel and workshops on suturing, casting, and anatomy. Andrew Wroblewski, MD, assistant professor, helped mentor the workshops.





Respected surgeon hosted as visiting professor for residents

J. Spence Reid, MD, professor at Penn State Milton S. Hershey Medical Center, acted as visiting professor for the Department's residents and was hosted by Dr. Michelle Bramer. Completing both his medical training and orthopaedic residency at Penn State University, as well as a fellowship at University of Maryland Shock Trauma Center, Dr. Reid's clinical practices focus on orthopaedic trauma, reconstruction for bone loss, infection, and deformity. Reid gave an excellent lecture focused on complex lower extremity reconstruction and his hobby of photography entitled, "Ilizarov, Photography and the Control of Time."



*Michelle Bramer, MD,
associate professor, Trauma;
J. Spence Reid, MD*

RESIDENCY PROGRAM

2024 Podium and Poster Presentations

JANUARY 2024

American Association for Hand Surgery Annual Meeting — Nassau, Bahamas

ePoster – Treatment of Scaphoid Nonunion Utilizing Capsular Based Vascularized Bone Graft from Second Dorsal Compartment — **Vincent Morrow, MD**

FEBRUARY 2024

American Academy of Orthopaedic Surgeons Annual Meeting — San Francisco, CA

ePoster – Treatment of Scaphoid Nonunion Utilizing Capsular Based Vascularized Bone Graft from Second Dorsal Compartment — **Vincent Morrow, MD**

APRIL 2024

West Virginia Orthopaedic Society Spring Meeting — Roanoke, WV

Podium – Prevalence of Vitamin D Deficiency in Young Orthopaedic Trauma Patients — **Michael Booth, MD**

Podium – Mid-term Clinical and Radiographic Outcomes After Total Ankle Arthroplasty: A Retrospective Review — **Brody Fitzpatrick, MD**

Podium – Distal Ulna Fracture Fixation with the Specialized Threaded Pin — **Michael Niemann, MD**

MAY 2024

28th Annual Resident Research Symposium – WVU Department of Orthopaedics — Morgantown, WV

Mid-Term Clinical Outcomes and Implant Survivorship After Total Ankle Arthroplasty: A Retrospective Review — **Brody Fitzpatrick, MD**

Clinical Implications of Flexible Intramedullary Nail Removal Versus Retention Following Successful Union of Pediatric Forearm Fractures — **Brody Fitzpatrick, MD**

Correlation Between Vitamin D Levels and Bone Mineral Density in Young Orthopaedic Trauma Patients — **Michael Booth, MD**

FELLOWSHIP NEWS

After graduation, the chief residents will continue their training at competitive fellowships:

Benjamin Giertych, MD
Hand and Upper Extremity
Medical College of Wisconsin

Tyler Quinet, MD
Spine Surgery
Stanford University

Kenneth Sabacinski, MD
Adult Reconstruction
Beth Israel Deaconess Medical Center

Nathaniel Williams, MD
Adult Reconstruction
Vanderbilt University

ARRIVALS

Each year, we welcome four new interns. The class of **2030-2031** includes:

Landon Armstrong, MD
East Tennessee University

Bryan Mouser, MD
University of Iowa

Halee Sowinski, MD
West Virginia University

Andrew Frear, MD
University of Pittsburgh

We look forward to training future surgeons who are committed to excellence in medicine and compassionate patient care.

EDUCATION

Continued Excellence in Education and Facilities

Our residents receive top-notch education from our dedicated staff in the major orthopaedic subspecialties. Through graduated responsibility — and with emphasis on clinical excellence and research proficiency — our junior residents expand their knowledge and skills with the guidance of both senior residents and faculty. Residents encounter robust operative experience and opportunities to expand their knowledge of orthopaedics through research projects and presentations at both local and national levels.

The residents also provide excellent education to others in the healthcare field and community through outreach programs, medical student anatomy labs, splinting and casting workshops, and Special Forces training labs.



WANT TO LEARN MORE?

Scan to follow us on
FACEBOOK, INSTAGRAM, and LINKEDIN



SYSTEM

Expanding Care Across West Virginia

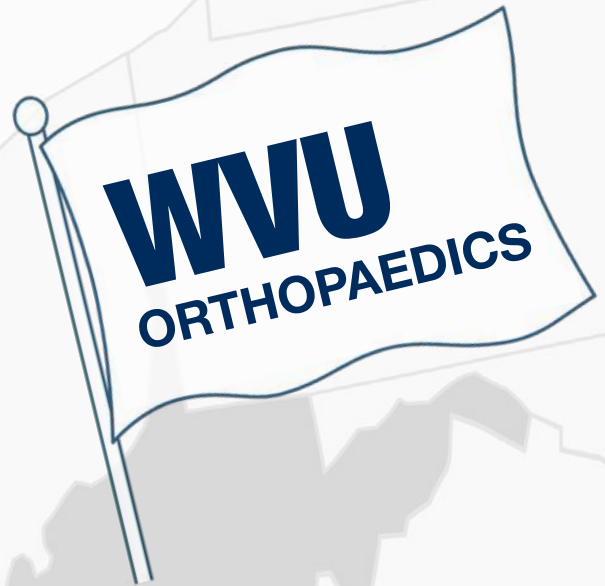
Prud'homme steps into role of executive director of Orthopaedic Surgery Thomas Hospital

Joseph Prud'homme, MD, was introduced as the executive director of Orthopaedic Surgery for WVU Medicine Thomas Hospitals, a move that aims to expand exceptional orthopaedic care to other areas of the state. Dr. Prud'homme is one of a few dozen orthopaedic surgeons in the nation who



maintains every available Orthopaedic Board Certification offered by the American Board of Orthopaedic Surgery.

WVU Medicine Thomas Hospitals Executive Director of Orthopaedic Surgery Joseph Prud'homme, MD; WVU Health System CEO, Albert L. Wright, Jr.; WVU Medicine Orthopaedics Associate Professor Daniel Grant, MD



Established Orthopaedic Group in Parkersburg joins Department

In July 2024, four orthopaedic surgeons and six advanced practice providers from Parkersburg joined the Department. The addition of the team members — three of whom were former residents of the Department — highlights the initiative to expand patient access to orthopaedic care throughout Parkersburg and surrounding areas.



Specialists network, share ideas at inaugural One Orthopaedics Conference

Orthopaedic surgeons and physicians from around the WVU Health System attended and participated in the inaugural WVU Medicine One Orthopaedics Conference, held October 4-5 at the Loft Office & Conference Center in Morgantown.

Surgeons and physicians from several WVU Medicine member hospitals presented on a diverse range of topics. The event also gave attendees a chance to network, share best practices, and discuss how best to standardize and streamline orthopaedic care across the System.

“This conference was a great opportunity for many of us to gather and discuss how best we can serve WVU Medicine orthopaedic patients in the future,” Shafic Sraj, MD, MBA, FAAOS, director of system integration for the WVU Department of Orthopaedics, said.



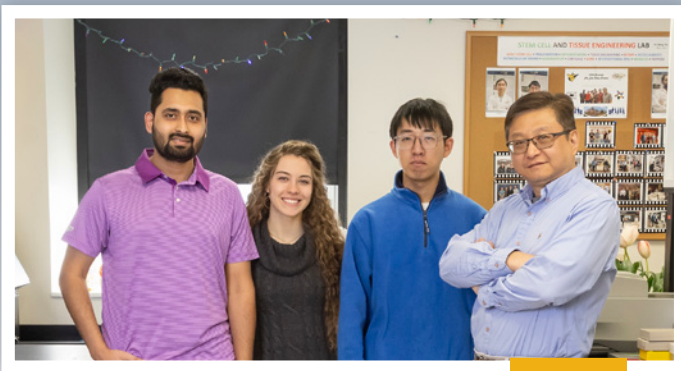
ONE ORTHOPAEDICS



RESEARCH

The West Virginia University Musculoskeletal Research Laboratory conducts *in vivo* and *in vitro* research in a cutting-edge environment. The multidisciplinary laboratory faculty and staff include individuals from Orthopaedics, Microbiology and Immunology, Human Performance - Physical Therapy, Pathology, and Statistics.

Graduate students from the WVU Health Sciences Center collaborate with orthopaedic surgeons and bioengineers on master's and PhD research topics. The lab is situated within the Department and provides support to orthopaedic residents in basic science and clinical research projects. The lab is well equipped and encourages multidisciplinary musculoskeletal research between various departments.



Dr. Ming Pei's Lab

Asif Shahriar; Kiya Babkirk; Zhixin Wei; Ming Pei, MD, PhD, professor



Dr. Dietz's Lab

Paris Taylor, PhD candidate; Matthew Dietz, MD; Beethi Sinha, PhD candidate; Elizabeth Stewart, MS, research assistant II



HSC Research Staff

Michelle Rademacher, PROMs/research assistant; Jennifer Eicher, CCRP, manager of clinical research and patient reported outcome measures; Savannah Martin, PROMs/research assistant



Dr. Bingyun Li's Lab

Alexa Sowers, PhD candidate; Kneisha McDonald, PhD candidate; Eileen Tabrizi, PhD candidate; Bingyun Li, PhD, professor; Qingyang Li, PhD candidate (not pictured)

Researcher uses nanotechnology and silver to treat antibiotic - resistant infections

Supported by a \$1.9 million grant from the National Institutes of Health, a team led by **Bingyun Li, PhD, professor**, spearheaded research surrounding the use of silver, a naturally occurring metal, for treating infections caused by open fractures. The research leans on medical literature dating back to the 1800s that cites silver for its potential to disinfect wounds and prevent infection in open injuries.

Harnessing silver's bacteria-fighting ability, the research team created "carbon nanotubes" to deliver microscopic silver nanoparticles directly into infection sites. Together, the carbon nanotube delivery system and silver nanoparticles showed potential in allowing physicians to fight infection without the use of standard antibiotics. The method also enabled researchers to do so while using only small amounts of silver, reducing the risk of silver toxicity to cells.

The research comes during a time when antimicrobial resistance — a phenomenon when bacteria and viruses evolve and no longer respond to conventional antibiotics — is at an all-time high. Researchers are hopeful the new technology may prove useful in treating future patients with infections associated with open fractures.



Alexa M. Sowers, a PhD graduate student in Dr. Bingyun Li's group, was one of three students awarded the \$2,500 Women of WVU Enrichment Fund Grant. The grant will help fund important research on the use of antimicrobial peptides in reducing antibiotic-resistant infection.



Department recognized for outstanding contribution to national PEPPER Trial on patient-centered care

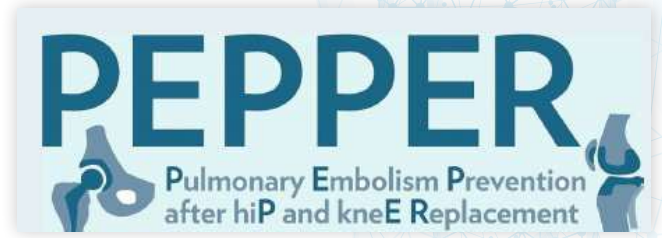
The Department proudly announced its remarkable achievements in the recently concluded PEPPER Trial (Pulmonary Embolism Prevention after HiP and KneE Replacement), a groundbreaking Patient-Centered Outcomes Research Institute (PCORI) initiative funded by a \$16.4 million grant.

\$16.4
Million

The effort was led by Vincent Pelligrini, MD, principal investigator and vice chair and orthopaedic education and research affairs professor at the Geisel School of Medicine at Dartmouth in Lebanon, New Hampshire. Matthew Dietz, MD, professor and chair, has served as the lead PI for WVU. Through the coordinated efforts of Clinical Research Manager Jenn Eicher, the Department enrolled 1,106 patients, placing us seventh among 32 participating sites nationwide.

Since its inception in 2017, the PEPPER Trial aimed to improve outcomes for orthopaedic patients by investigating evidence-based approaches to prevent pulmonary embolism — a potentially life-threatening complication following surgery. This multicenter initiative leveraged patient-centered research methodologies, ensuring that clinical care priorities aligned with the preferences and values of those receiving treatment.

Throughout the six years of the study, the Department emerged as a leader, frequently ranked among the top enrolling sites in the country. This sustained performance speaks to the hard work of



physicians, research staff, and patients who made this success possible.

“Being among the top 10 of 32 sites nationwide is a testament to the high caliber of our team and our unwavering dedication to advancing patient care,” Dr. Dietz said. “This achievement not only strengthens our reputation in clinical research but also highlights the vital role of academic medical centers in addressing critical health challenges.”

As the PEPPER Trial concludes, the Department is poised to apply the knowledge gained to further enhance orthopaedic care and patient outcomes. The Department remains committed to engaging in collaborative, high-impact studies that address pressing issues in musculoskeletal health.

“This achievement is a significant milestone for our department, but it is only the beginning,” Dietz said. “We are eager to build upon the PEPPER Trial’s findings to ensure that our patients continue to benefit from cutting-edge, evidence-based care.”



A full circle story: the making of the Gabe Gemberling Tissue Bank



When it comes to moving medicine forward, **Ryan Lacinski, MD, PhD**, is no stranger to making an impact.

In May 2018, the same period he was applying to the WVU School of Medicine, Dr. Lacinski learned his close friend,

Gabe Gemberling, had been diagnosed with osteosarcoma, a common form of bone cancer.

Upon learning of his friend's diagnosis, Lacinski began volunteering at the Department's Research Lab and applied to the University's MD/PhD program. It was there, according to Lacinski, where his spark for research first ignited.

"My interest in Gabe's diagnosis is what made me fall in love with research," said Lacinski. "His diagnosis made me want to learn more about the disease and the advancements that were being made for its treatment."

As his friend's diagnosis provided direction to his training, he quickly learned the value of using patient samples for bench-to-bedside translational research.

"As a PhD student, I was fortunate enough to connect with individuals, including Dr. Kurt Weiss at the University of Pittsburgh (himself an osteosarcoma survivor), who had stored osteosarcoma patient specimens since 2010," says Lacinski. "These samples were critical to my training and the basis of new discoveries in this disease."

Lacinski studied novel immunotherapeutics for the treatment of osteosarcoma and completed his PhD training in Cancer Cell Biology.

It was during this time that the WVU Medicine Orthopaedic Gabe Gemberling Tissue Bank — a collection center dedicated to fueling the next generation of students and researchers — was born.

"The Gabe Gemberling Tissue Bank was dedicated in his name as his perseverance and fight against this deadly disease inspired me to partake in its research," Lacinski said. "Through the Tissue Bank, the Department of Orthopaedics, with the help of Dr. Grant McChesney and clinical research staff, is actively collecting and storing patient tumor, plasma, and white blood cell specimens. These samples will allow researchers here and abroad to ask, and hopefully answer, questions regarding these diseases for decades to come."



Today, Gabe Gemberling remains an osteosarcoma survivor and advocate for cancer research. As a superintendent at Turner Construction, Gemberling recently helped direct the development and building of

the new cancer center at The Ohio State University — a full circle moment for Gabe and his family. He is actively involved in supporting cancer research through the organization Pelotonia, donating nearly \$8,000 since his diagnosis.

2024 Active Grants

SCOTT. D. DAFFNER MD

- **Bioventus LLC:** Bioventus-OsteoAMP LIF Study
- **Medtronic Inc.:** Prospective, Randomized, Controlled, Blinded Pivotal Study-Transforaminal Lumbar Interbody Fusion (TLIF) At 1 Or 2 Levels Using Infuse(TM) Bone Graft and The Capstone™ Spinal System with Posterior Supplemental Fixation for Treatment of Symptomatic Degeneration
- **Spinal Kinetics:** M6-C™ Artificial Cervical Disc IDE Post-Approval Study

MATTHEW J. DIETZ MD

- **Center for Innovation and Research Organization:** Electrochemical Test of Leukocyte Esterase as a Marker for Periprosthetic Joint Infection (CLEU)
- **Dartmouth College/Medical University of South Carolina:** Comparative Effectiveness of Pulmonary Embolism Prevention after Hip and Knee Replacement (PEPPER): Balancing Safety and Effectiveness
- **Peptilogics, Inc.:** A Phase 1b Open-Label, Dose-Escalating Study to Evaluate the Safety and Tolerability of PLG0206 in Patients Undergoing Debridement, Antibiotics, and Implant Retention (DAIR) for Treatment of a Periprosthetic Joint Infection Occuring after Total Knee Arthroplasty
- **Stryker:** A Prospective, Post-Market, Multi-Center Study of Tritanium Acetabular Shell
- **US DHHS-NIH National Institute of Arthritis Musculoskeletal and Skin Diseases:** Nanohybrid Composites Minimize Antibiotic Resistant Infections

BENJAMIN M. FRYE MD

- **American Association of Hip & Knee Surgeons:** AAHKS Adult Reconstruction Fellowship Support
- **OMeGA Medical Grants Association:** Fellowship in Adult Reconstruction

ADAM E. KLEIN MD

- **Elute, Inc.:** Multicenter trial of Antibiotic eluting Graft for promoting new bone growth in/near Infected bone Cavities (MAGIC)
- **Zimmer, Inc.:** Multicenter, Prospective, Post Market Clinical Follow-Up Study of the G7® Freedom Constrained Vivacit-E® Liner

BINGYUN LI PHD

- **(PI) US DHHS-NIH National Institute of Arthritis Musculoskeletal and Skin Diseases:** Nanohybrid Composites Minimize Antibiotic Resistant Infections
- **USDA – NIFA:** Mid-Atlantic Sustainable Biomass for Value-added Products Consortium (MASBio)
- **WV HEPC Higher Education Policy Commission:** Synergistic Conversion of Captured CO2 and Green H2 to Value-Added Products for a Decarbonized Economy

DINA MARUCA (FORMERLY JONES) PHD

- **USDA-National Institute of Food & Agriculture:** Expanding Nutrition Student Competency in Telehealth to Improve Diet and Prevent Chronic Disease in Adults with Obesity

E. BARRY MCDONOUGH MD

- **JBJS Resident Education Fund:** Robert Bucholz Journal Club Grant

MING PEI MD PHD

- **US DHHS-NIH National Institute of Arthritis Musculoskeletal and Skin Diseases:** Nanohybrid Composites Minimize Antibiotic Resistant Infections

B. JOSEPH PRUD'HOMME MD

- **Integra Lifesciences Corp.:** Post-Market Clinical Follow-up Registry of Patients Requiring Nerve Gap Repair

JOHN S. TARAS MD

- **Arthrex:** A Multi-Center, Prospective Registry to Evaluate the Continued Safety and Effectiveness of Hand and Wrist Products

2024 Clinical Trials

- A Multi-Center, Prospective Registry to Evaluate the Continued Safety and Effectiveness of Hand and Wrist Products: Arthrex Hand Registry
- Comparative Effectiveness of Pulmonary Embolism Prevention after hiP and kneE Replacement (PEPPER): Balancing Safety and Effectiveness
- Multi-Center, Prospective, Randomized Study of Antibiotic Prophylaxis in High-Risk Arthroplasty Patients
- A Prospective, Post-market, Multi-center, Study of the Tritanium Acetabular Shell
- Multicenter Trial of Antibiotic Eluting Graft for Promoting New Bone Growth In/near Infected Bone Cavities (MAGIC)
- Multicenter, Prospective Post-Market Clinical Follow-Up Study of the G7® Freedom Constrained Vivacit-E® Liners
- Prospective, Randomized, Controlled, Blinded Pivotal Study in Subjects Undergoing A Transforaminal Lumbar Interbody Fusion (TLIF) at One or Two Levels Using Infuse™ Bone Graft and the Capstone™ Spinal System with Posterior Supplemental Fixation for the Treatment of Symptomatic Degenerative Disease of the Lumbosacral Spine
- M6-C™ Artificial Cervical Disc IDE Post-Approval Study
- A Prospective, Randomized, Intra-Patient Controlled, Multi-Center Clinical Investigation Evaluating OSTEOAMP SELECT Fibers versus Infuse Bone Graft as Autograft Substitute in Lumbar Fusion Procedures
- A Phase 1b Open-Label, Dose-Escalating Study to Evaluate the Safety and Tolerability of PLG0206 in Patients Undergoing Debridement, Antibiotics, and Implant Retention (DAIR) for Treatment of a Periprosthetic Joint Infection (PJI) Occurring After Total Knee Arthroplasty (TKA)
- A Randomized, Double-Blind, Placebo-Controlled, Multicenter Study to Evaluate the Safety and Efficacy of APT Phage Bank Phage Therapy versus Placebo in Conjunction with Debridement, Antibiotics, and Implant Retention (DAIR) in Subjects with Chronic Prosthetic Joint Infection
- Electrochemical Test of Leukocyte Esterase as a Marker for Periprosthetic Joint Infection in Total Hip or Total Knee Arthroplasty

2024 Publications

McBroom TJ, Torabian KA, Cherian NJ, Gillinov SM, Siddiq BS, **Chaharbakhshi EO**, Eberlin CT, Kucharik MP, Abraham PF, Martin SD. **Biceps tenotomy vs. tenodesis in patients undergoing transtendinous repair of partial thickness rotator cuff tears.** JSES Int. 2024 Feb 24;8(4):776-784. doi: 10.1016/j.jseint.2024.02.007. eCollection 2024 Jul. PMID: 39035669.

Andronic O, **Chaharbakhshi EO**, Zingg PO, Germann C, Rahm S, Lall AC, Domb BG. **No Difference in Patient-Reported Outcomes for Periacetabular Osteotomy and Hip Arthroscopy With Capsular Plication in the Setting of Borderline Hip Dysplasia: A Propensity-Matched Multicenter Study With Minimum 5-Year Follow-Up.** Arthroscopy. 2024 Mar;40(3):754-762. doi: 10.1016/j.arthro.2023.06.045. Epub 2023 Jul 6. PMID: 37422025.

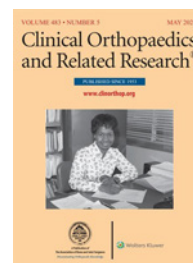
Dietz MJ, Chaharbakhshi EO, Roberts AJ, Gilligan PH, **Kasicky KR, Pincavitch JD.** **Maintenance of Surgical Optimization in Total Joint Arthroplasty Patients.** J Arthroplasty. 2024 Jul;39(7):1650-1655.e1. doi: 10.1016/j.arth.2024.01.013. Epub 2024 Jan 11. PMID: 38216000.

Dietz MJ, McGowan BM, Thomas DD, Hunt ER, **Stewart E**, Squire MW. **Does Cement Viscosity Impact Antibiotic Elution and In Vitro Efficacy Against Common Prosthetic Joint Infection Pathogens?** Clin Orthop Relat Res. 2024 Oct 2. doi: 10.1097/CORR.0000000000003272. PMID: 39724555.

Enayatollahi M, Azboy I, **Dietz MJ**, Aunon A, Heshmat R, Dragosloveanu S, Ehsani A, Scheau C, Shafiee G, Ghamgosar A, Çetin H, Demir B, Palmer A. **What Are the Contraindications, if Any, for the Use of Tranexamic Acid During Knee or Hip Arthroplasty?** J Arthroplasty. 2024 Oct 18:S0883-5403(24)01065-9. doi: 10.1016/j.arth.2024.10.050. PMID: 39426448.

Potter GR, Feuchtenberger BW, **Sowinski HN, Roberts AJ**, Siegel ER, **Dietz MJ**, Stambough JB, Bedard NA, Mears SC. **How Many Patients Qualify for Extended Oral Antibiotic Prophylaxis Infection Following Primary and Revision Hip and Knee Arthroplasties?** J Knee Surg. 2024 Jun;37(7):530-537. doi: 10.1055/s-0043-1777788. Epub 2023 Dec 15. PMID: 38101450.

Lizcano JD, **Dietz MJ**, Fehring TK, Mont MA, Higuera-Rueda CA. **Specialized Centers for Treating Periprosthetic Joint Infections: Is It About Time?** J Arthroplasty. 2024 Dec;39(12):2893-2897. doi: 10.1016/j.arth.2024.09.021. Epub 2024 Sep 18. PMID: 39299493.



Prasun P, Vermeire K, **Ferimer S.** **Dystonic Cerebral Palsy-Like Presentation Caused by a Novel TCF20 Variant.** J Mov Disord. 2024 Jul;17(3):348-350. doi: 10.14802/jmd.24007. Epub 2024 Apr 26. PMID: 38664070.

Hamp EL, Caba M, Scholl L, Faizan A, **Frye BM**, Nessler JP, Sequeira SB, Mont MA. **Can Robotic-Arm Assistance Decrease Iatrogenic Soft-Tissue Damage During Direct Anterior Total Hip Arthroplasty?** Surg Technol Int. 2024 Jul 15;44:299-304. doi: 10.52198/24.STI.44.OS1761. PMID: 38442246.

Caba M, O'Neill C, Nessler J, **Frye B**, Scholl L, Sequeira SB, Mont MA. **Robotic assistance is associated with improved surgical efficiency during direct anterior total hip arthroplasty.** J Orthop. 2024 Jun 21;59:86-89. doi: 10.1016/j.jor.2024.06.027. eCollection 2025 Jan. PMID: 39386072.

Caba M, Gains C, Nessler J, **Frye B**, Scholl L, Sequeira SB, Mont M. **Physical and mental demand during direct anterior total hip arthroplasty: Comparison of robotic-assisted and conventional techniques.** J Orthop. 2024 Jul 14;62:126-132. doi: 10.1016/j.jor.2024.07.001. eCollection 2025 Apr. PMID: 39620166.

Giertych BF, Klein AE, Dietz MJ, Lindsey BA, **Frye BM.** **Robotic-Arm Assisted THA: Improved Acetabular Component Accuracy and Patient-Reported Outcome Measures.** Surg Technol Int. 2024 Nov 25;45:sti45/1823. PMID: 39591202.

Jones DL, Eicher JL, Fang W, Hootman JM. **Effectiveness and Implementation of an EnhanceFitness Physical Activity Intervention Specifically in Adults With Arthritis: A RE-AIM Evaluation.** Gerontologist. 2024 Jul 1;64(7):gnad157. doi: 10.1093/geront/gnad157. PMID: 38051008.

Jones DL, Acord-Vira A, Robinson MB, Talkington M, Morales AL, Pride CD, Monnin J, Rice TA. **Adaptation of an evidence-based, fall-prevention, Tai Ji Quan exercise program for adults with traumatic brain injury: focus group results.** Physiother Theory Pract. 2024 Jan 2;40(1):56-64. doi: 10.1080/09593985.2022.2120788. Epub 2022 Sep 14. PMID: 36103634.

Jones DL, Robinson M, Selfe TK, Barnes L, Dierkes M, Shawley-Brzoska S, Myers DJ, Wilcox S. **Prepandemic Feasibility of Tele-Exercise as an Alternative Delivery Mode for an Evidence-Based, Tai Ji Quan Fall-Prevention Intervention for Older Adults.** J Aging Phys Act. 2024 Apr 10;32(4):508-519. doi: 10.1123/japa.2023-0226. Print 2024 Aug 1. PMID: 38604606.

- Joseph EG**, Gardner WE 2nd. **Treatment of Adult Distal Humerus Fracture with Fishtail Deformity: A Case Report.** JBJS Case Connect. 2024 Mar 22;14(1). doi: 10.2106/JBJS.CC.23.00686. eCollection 2024 Jan 1. PMID: 38517980.
- Lacinski RA**, Dziadowicz SA, **Stewart A**, **Chaharbakhshi E**, Akhter H, **Pisquiy JJ**, Victory JH, Hardham JB, Chew C, Prorock A, Bao Y, Sol-Church K, **Hobbs GR**, Klein E, Nalesnik MA, Hu G, de Oliveira A, Santiago SP, Lindsey BA. **Nanosphere pharmacodynamics improves safety of immunostimulatory cytokine therapy.** iScience. 2024 Jan 9;27(2):108836. doi: 10.1016/j.isci.2024.108836. eCollection 2024 Feb 16. PMID: 38303687.
- Nelson AM, **Lacinski RA**, Steller JG. **Spaceflight - associated pain.** Curr Opin Anaesthesiol. 2024 Oct 1;37(5):581-587. doi: 10.1097/ACO.0000000000001401. Epub 2024 Jun 11. PMID: 39011662.
- Lacinski RA**, Dziadowicz SA, **Melemai VK**, **Fitzpatrick B**, **Pisquiy JJ**, Heim T, Lohse I, Schoedel KE, Llosa NJ, Weiss KR, Lindsey BA. **Spatial multiplexed immunofluorescence analysis reveals coordinated cellular networks associated with overall survival in metastatic osteosarcoma.** Bone Res. 2024 Sep 27;12(1):55. doi: 10.1038/s41413-024-00359-z. PMID: 39333065.
- Lacinski RA**, Dziadowicz SA, Roth CA, Ma L, **Melemai VK**, **Fitzpatrick B**, **Chaharbakhshi E**, Heim T, Lohse I, Schoedel KE, Hu G, Llosa NJ, Weiss KR, Lindsey BA. **Proteomic and transcriptomic analyses identify apo-transcobalamin-II as a biomarker of overall survival in osteosarcoma.** Front Oncol. 2024 Oct 18;14:1417459. doi: 10.3389/fonc.2024.1417459. eCollection 2024. PMID: 39493449.
- Wang Q, Yang J, Xing M, **Li B**. **Antimicrobial Peptide Identified via Machine Learning Presents Both Potent Antibacterial Properties and Low Toxicity toward Human Cells.** Microorganisms. 2024 Aug 15;12(8):1682. doi: 10.3390/microorganisms12081682. PMID: 39203524.
- Madi NS**, Braunstein J, Fletcher AN, Doumat G, Parekh SG. **Early Outcomes of Third-Generation Minimally Invasive Chevron-Akin (MICA) Osteotomy for Symptomatic Hallux Valgus Deformity.** Foot Ankle Spec. 2024 Aug;17(4):391-398. doi: 10.1177/19386400231174814. Epub 2023 May 26. PMID: 37243379.
- Williams JA, Ghareeb E, Powers R, **McChesney G**, Hughes RC, Beatty C. **A painful nodule on the right great toe.** JAAD Case Rep. 2024 Jul 22;52:31-33. doi: 10.1016/j.jdc.2024.06.040. eCollection 2024 Oct. PMID: 39282518.
- Moeller JL**. **Spondylolysis in Adolescent Athletes: A Descriptive Study of 533 Patients.** Clin J Sport Med. 2024 Oct 22. doi: 10.1097/JSM.0000000000001283. PMID: 39431926.
- Williamson A, **Morrow VR**, Carr MM, Coutras SW. **Safety and efficacy of lingual tonsillectomy in multilevel airway surgery for pediatric obstructive sleep apnea.** J Clin Sleep Med. 2024 Feb 1;20(2):189-199. doi: 10.5664/jcsm.10816. PMID: 37707284.
- Newman M, Lynch C, Connery H, Goldsmith W, Nurkiewicz T, Raylman R, **Boyd J**. **Fentanyl overdose: Temporal effects and prognostic factors in SKH1 mice.** Basic Clin Pharmacol Toxicol. 2024 Apr;134(4):460-471. doi: 10.1111/bcpt.13984. Epub 2024 Jan 29. PMID: 38284460.
- Newman M, Connery H, Kannan S, Gautam A, Hammamieh R, Chakraborty N, **Boyd J**. **Fentanyl Overdose Causes Prolonged Cardiopulmonary Dysregulation in Male SKH1 Mice.** Pharmaceuticals (Basel). 2024 Jul 14;17(7):941. doi: 10.3390/ph17070941. PMID: 39065791.
- Liu H, Tian X, Jin C, Li Y, Zhu X, **Pei M**, Liu T, Yang H, Xu Y, He F. **Delivering cells via ECM mimetic hydrogel microspheres for promoting the reconstruction of rat lumbar nucleus pulposus.** Chemical Engineering Journal 2024; 486: 150212. <https://doi.org/10.1016/j.cej.2024.150212>.
- Pei YA, Patel J, **Pei M**. **Extracellular Matrix Tunes the Regenerative Potential of Fetal Stem Cells.** Applied Sciences 2024; 14: 1932. DOI: <https://doi.org/10.3390/app14051932>.
- Sraj S**, **Farley BJ**, **Taras JS**, Lese AB, **Prud'homme BJ**, Gross R, Vien Cheung WY, Cox S. **Perioperative Patient Experience in Office-Based Wide-Awake Hand Surgery.** J Hand Surg Am. 2024 Nov 22;S0363-5023(24)00517-3. doi: 10.1016/j.jhsa.2024.10.009. PMID: 39580753.
- Sraj S**. **CORR Insights: Comparing Open and Arthroscopic Grafting for Scaphoid Nonunion: Is There Truly a Noticeable Difference?** Clin Orthop Relat Res. 2024 Nov 1;482(11):2039-2041. doi: 10.1097/CORR.0000000000003207. Epub 2024 Aug 14. PMID: 39146012.
- Hickok NJ, **Li B**, Oral E, Zaat SAJ, Armbruster DA, Atkins GJ, Chen AF, Coraça-Huber DC, Dai T, Greenfield EM, Kasinath R, Libera M, Marques CNH, Moriarty TF, Scott Phillips K, Raghuraman K, Ren D, Rimondini L, Saeed K, Schaer TP, Schwarz EM, Spiegel C, Stoodley P, Truong VK, Tsang SJ, Wildemann B, Zelmer AR, Zinkernagel AS. **The 2023 Orthopedic Research Society's international consensus meeting on musculoskeletal infection: Summary from the in vitro section.** J Orthop Res. 2024 Mar;42(3):512-517. doi: 10.1002/jor.25774. Epub 2024 Jan 12. PMID: 38146070.

ORTHOPAEDICS



OUR VISION

We aim to be an academic leader in orthopaedic clinical care, education, and research.



OUR MISSION

The Department of Orthopaedics at West Virginia University is committed to setting the standard in orthopaedic care.

Our thriving, collaborative team of musculoskeletal specialists are dedicated to providing exceptional patient care by achieving excellence in patient outcomes and continually improving our clinical operations.

Academically, we are committed to providing a comprehensive orthopaedic education program that attracts exceptional applicants and encourages the personal and professional development of residents, faculty, and learners at all levels.

As a leader in research, we will conduct efficient, collaborative and translational research that improves patient outcomes, develops innovative solutions, and advances musculoskeletal research from the bench to the bedside.

OUR VALUES



EXCELLENCE



TEAMWORK



INTEGRITY



RELIABILITY



PEOPLE



THANK YOU!

We would like to thank all of those who have donated to our program:

CERVICAL (\$2,500 AND ABOVE)

Dr. Matthew Dietz and Michelle Dietz
Drs. Sanford and Gwen Emery
Dr. Daniel Grant and Erika Grant
Drs. Frank and Heather Grisafi
Ryan Lacinski
Dr. John Lubicky and Vicky Lubicky
Dr. Ryan Murphy and Dr. Kristen Statler
Susan Sibley

THORACIC (\$1,000 - \$2,499)

Dr. Claire Beimesch and Dr. Shaun Spielman
Dr. Michelle Bramer and Karl Bramer

LUMBAR (\$500 - \$999)

Dr. Joanna Horstmann and Ben Horstmann
Dr. Andrew W. Parsons and Rachel Parsons
Dr. David S. Tager and Sarah Tager
Dr. Colleen Watkins and Rick Watkins

SACRAL (\$1 - \$499)

Dr. Stephanie L. Ferimer
Frank D. Gmeindl
Dr. Patrick M. Luchini

Please consider a gift to the WVU Medicine Department of Orthopaedics. We utilize these funds for resident and faculty educational, research, and wellness activities.

If you would like to designate a specific focus for your gift, please contact

mdietz@hsc.wvu.edu

Scan the code or visit Give.WVU.edu/Orthopaedics



ORTHOPAEDIC LOCATIONS

PHYSICIAN OFFICE CENTER

1 Medical Center Drive
Morgantown, WV 26505
Clinics: Orthopaedics

FAIRMONT GATEWAY CLINIC

100 Stoney Hill Road
Fairmont, WV 26554
Clinics: Orthopaedics

WVU MEDICINE OUTPATIENT CENTER

451 Murtha Drive
Waynesburg, PA 15370

WVU SPINE CENTER

943 Maple Drive
Morgantown, WV 26505

WVU MEDICINE UNIVERSITY TOWN CENTRE

6040 University Town Centre Drive
Morgantown, WV 26501
Clinics: Sports Medicine Center
Center For Joint Replacement

PARKERSBURG ORTHOPAEDICS

1600 Murdoch Avenue
Parkersburg, WV 26101
Sports Medicine Clinic available at 2012 Garfield Ave, Parkersburg, WV 26101

UNIONTOWN SPINE CENTER

500 West Berkeley Street
Uniontown, PA 15401
Satellite clinic available at 419 Coyle Curtain Road, Monongahela, PA 15063

Patients can call **855-WVU-CARE** to schedule an appointment at any of our locations.

WVUMedicine.org
Medicine.HSC.WVU.edu/Ortho