

Winter 2024

BREAKING NEWS

for the alumni and friends of the University of Nebraska Medical Center
Department of Orthopaedic Surgery & Rehabilitation

The Importance of Advanced Practice Providers

Advanced practice providers — or APPs — are essential to almost every health care team, including Nebraska Medicine Orthopaedics. Physician assistants, nurse practitioners, nurse anesthetists, and similar positions fall under the APP umbrella. These highly-trained professionals diagnose and evaluate patients, order tests, and perform in-office procedures, among other helpful activities.

"I think the APPs we have in our group are a vital part of the care we provide for patients," says the Nebraska Medicine Medical Staff President and Orthopaedic Clinic Director, Beau Konigsberg, MD. "I don't think we could provide as comprehensive level of care without them."

In addition to serving as a right-hand person to surgeons in the operating room APPs are also invaluable to physicians outside the operating room. "The APP who works most with me will often spend the whole day reviewing imaging, calling patients back, and troubleshooting issues," says Vice Chair of Clinical Services Chris Cornett, MD.

Providing more comprehensive care positively impacts patient satisfaction. "A lot of these patient callbacks, if they were solely my responsibility, might wait two or three days after I'm out of the operating room. Whereas an APP can complete them and get better and quicker feedback to the patient, resulting in higher patient satisfaction," says Dr. Cornett.

Besides boosting the quality of care, APPs have also helped the orthopaedic department grow. "APPs help us grow and expand our department, help streamline our patient care, give better, quicker patient care, and help surgeons balance a busy workload," says Dr. Cornett.

Although some patients may stigmatize seeing an APP over a physician, APPs are highly educated and trained, especially in a specialty department like UNMC Orthopaedics. "APPs are extremely skilled in their areas of expertise," says Dr. Cornett. "When they sub-specialize into different areas, their knowledge base in that specialty is high."

"I believe our patients do receive a thorough evaluation by our APPs," says Dr. Cornett. "Our APPs are highly qualified, well-trained, and are very good at managing what they can." Dr. Garvin concurs, "We as physicians work very closely with our APPs and are available to provide further work when necessary."

Dr. Konigsberg agrees, "The old idea of APPs being 'physician extenders' isn't accurate. They use their education and experience to help care for patients in conjunction with their physician, not just as an extension of their practice. This expertise is critical for providing the best possible care for patients."

As the workforce continues to change and the state and country face a shortage of physicians, the importance of APPs will continue to grow. Even if there were enough physicians, "there's not always room for them in the operating room," says Dr. Cornett. "So, there's certainly a plus for APPs becoming more prevalent. They're helpful as we face more workforce shortages in health care." Because of all these reasons, APPs are an invaluable piece of the Orthopaedics team. We are grateful for their expertise and the services they provide to the patients. **Thank You.**

see APPs pg 11



Breaking News Winter 2024

Breaking News is published two times a year for alumni and friends of the UNMC Department of Orthopaedic Surgery.

Chair:
Kevin L. Garvin, M.D.

For questions or comments,
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Find us online!
www.unmc.edu/orthosurgery

Message from the Chair

Dear All,

As we start 2024, I would like to take a few minutes to reflect on all the achievements that were accomplished in 2023. We know that our success would not have been possible without the hard work and support given to us by our alums, residents, fellows, staff, and friends of the department. We especially want to recognize the eighteen advanced practice providers in the adult and pediatric orthopaedic clinics who are essential in our daily activities of providing exceptional care to our patients. It is in collaboration with the APPs that the faculty can accomplish UNMC's mission of leading the world in transforming lives to create a healthy future for all individuals and communities through premier educational programs, innovative research, and extraordinary care.

In our mission to have premier educational programs and innovative research, we were fortunate to host our first Musculoskeletal Research Symposium with special guest Dr. Charles Nelson, along with presentations from twenty residents and eight UNL PhD students. Dr. Dan Firestone also worked with UneMed to create a new fracture fixation plate. In addition, our faculty had seven abstracts, six book chapters, and forty-three publications during 2023.

We want to congratulate several of our faculty members who were also elected to leadership positions and note several recognitions by national organizations during the year. Dr. Beau Konigsberg was elected Medical Staff President at Nebraska Medicine. The American Academy of Pediatrics awarded Dr. Susan Schery the Orthopaedic Distinguished Services Award. Becker's Hospital Review acknowledged Nebraska Medicine and Children's Nebraska, for their exceptional orthopaedic care. Nebraska Medicine was also named high-performing in Orthopaedics by the *U.S. News and World Report*. Finally, I was elected president-elect of the American Board of Orthopaedic Surgery and was named one of five cutting-edge surgeons from Becker's Orthopaedic and Spine review.

I also hope you also have an opportunity to read Dr. Ed Fehring's new book, *Hinge... Pronate: On Throwing Arm Pain*, and check out his YouTube video. Dr. Tao produced a news story on using the BEAR implant that you will want to see.

Finally, there is a correction to the Fall issue of Breaking News. Dr. Robert Cochran II, MD, was the first surgeon hired under Dr. John Connolly. Dr. Cochran returned to Omaha in January 1976 as an instructor after completing a hand fellowship at the University of Miami. In 1978, Dr. Cochran was appointed assistant professor and Director of Hand Surgery and held this position until 1981 when he left to pursue a private practice. Dr. Cochran continued to contribute to our program as a volunteer faculty member. The department is appreciative of his numerous contributions over many years and apologizes for the omission.

We believe that 2024 will be an exciting time for the Department of Orthopaedics. We look forward to sharing our achievements with you and continue to thank you for your ongoing support.

Kevin L. Garvin, MD
L. Thomas Hood Professor of Orthopaedic Surgery
Chair, UNMC Department of Orthopaedic Surgery & Rehabilitation



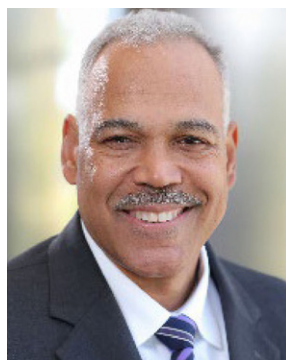
Musculoskeletal Research Symposium

On November 17th, 2023, orthopaedic residents, select University of Nebraska PhD researchers, and UNMC orthopaedic faculty members gathered for what orthopaedic surgeon Ed Fehringer, MD, hopes is the first of many musculoskeletal (MSK) research symposia.

Although this was the first official MSK symposium, it marked the 20th annual meeting of orthopaedic residents and faculty members to discuss resident research projects.

During a faculty meeting in 2003, Dr. Fehringer expressed a desire to help residents with their required research projects. As a former UNMC orthopaedic resident, Dr. Fehringer remembered how difficult it was to do research. "There just weren't a lot of resources, yet all residents were required to have a publishable research project completed by the end of their five-year residency," says Dr. Fehringer. "But it didn't seem as though there was a lot of help in the 1990s."

In 2004, Dr. Fehringer became the driving force behind the effort to improve the process, and the resident research committee was formed. This, of course, brought forth the first Resident Research Forum, giving residents the opportunity to present the current state of their projects and solicit feedback from colleagues. "It admittedly puts a little pressure on residents, too," says Dr. Fehringer.



Charles Nelson, MD

This year, to mark what he believes was the meeting's 20th anniversary, Dr. Fehringer and Dong Wang, PhD, (UNMC College of Pharmacy), invited eight University of Nebraska PhDs to present. Dr. Garvin invited a special guest — orthopaedic surgeon and Chief of Joint Replacement Services at the Hospital of the University of Pennsylvania, Charles Nelson, MD — for the first MSK research symposium. "By having PhD students

present their research and expose them to our clinical faculty, we can determine if there are ways in which we can collaborate."

Dr. Fehringer hopes this symposium and future meetings foster relationships and inspire more MSK research collaboration from

see SYMPOSIUM pg 4

MUSCULOSKELETAL RESEARCH SYMPOSIUM RESIDENT PRESENTATIONS

NAME	PRESENTATION TITLE
Tim Lackner	<i>Gait Outcomes Following Nonoperative Treatment of Isolated Distal Fibula Fractures</i>
Annemarie Leonard	<i>The Nebraska Index: A Management Criteria for Low-Energy Femoral Neck Fractures in the Elderly</i>
Cole Ohnoutka	<i>Inter-observer Reliability of Sacral Slope, Pelvic Femoral Motion and Cup Ante-inclination on Anteroposterior Pelvic Radiographs in Healthy Individuals</i>
Sarah Powell	<i>Female Medical Students' Interest in Orthopaedics Decreased after Sawbones Lab</i>
Josh Vander Maten	<i>Opioid tapering protocol to decrease excessive opioid use following total joint arthroplasty</i>
Brandt Buckner	<i>Long-term Polyethylene Wear Rates and Clinical Outcomes of Oxidized Zirconium</i>
Dylan Fischer	<i>Sensitivity of Saline Load Test versus CT In Detection of Traumatic Elbow Arthroscopy, a Cadaveric Study</i>
Keagan Gertz	<i>Collaboration Between Orthopaedic Surgery and Psychiatry Residency Programs to Improve Education about Orthopaedic Pain Management for Patients with Mental Illness</i>
Matthew Hays	<i>Increased Incidence of Methicillin-Resistant Staphylococcus aureus in Knee and Hip Prosthetic Joint Infection</i>
Carla Strohhofer	<i>Preoperative Mental Health and Postoperative Outcome Measures in Total Joint</i>
Ashley Creager	<i>Incidence and outcomes of radial nerve palsy in distal third humeral shaft fractures after surgical fixation</i>

NAME	PRESENTATION TITLE
Tyler Kallman	<i>Randomized control trial: Pre-operative Popliteal Block vs Surgeon-performed</i>
Robert John Pettit	<i>Does Selective Utilization of Fungal/AFB Cultures for Prosthetic Joint Infection Save Resources Without Affecting Patient Outcomes?</i>
Olivia Thomas	<i>Vitamin D Levels in Carpal and Hand Fractures</i>
Ford Zitsch	<i>Metaphyseal Fixation Using Cones and Sleeves for Severe Proximal Tibial Bone Loss</i>
Neil Antonson	<i>Intra-articular Mapping of Cartilage Lesions Record arthroscopy video during cartilage procurement/ diagnostic scope.</i> <i>Traumatic Arthroscopy Detection Would pressure monitoring better detect a traumatic arthroscopy — or lack thereof — than standard volume testing?</i>
Erik Moore	<i>Does lateral extra articular tenodesis affect cartilage health of the lateral compartment based on T2 relaxation times after ACL reconstruction when compared with ACL reconstruction that did not have lateral extra articular tenodesis.</i>
Joe Nash	
John Rosenberg	<i>A prospective randomized trail assessing the noninferiority of iovera vs adductor canal block in primary total knee arthroplasty.</i>
John Werner	<i>Subcutaneous Fat Thickness and Long-Term Outcomes in Elective Total Knee Arthroplasty, A Retrospective Review</i>

SYMPOSIUM *continued from pg 3*

participants across the University of Nebraska system. “We’re trying to improve our MSK translational science, which is taking basic science research and translating it to the clinical side, aka the bedside,” says Dr. Fehringer. “So, we’re trying to determine if there are ways we can work together to solve specific problems that we see in our clinics and operating rooms.”

The idea at the heart of the symposium is to model collaborative behavior between MDs and PhDs for orthopaedic faculty and residents to promote further synergy. According to Dr. Fehringer, this collaboration is even more essential as Nebraska Medicine and UNMC expand. “As the campus grows, one often doesn’t realize there are many terrific resources available within our system,” says Dr. Fehringer.

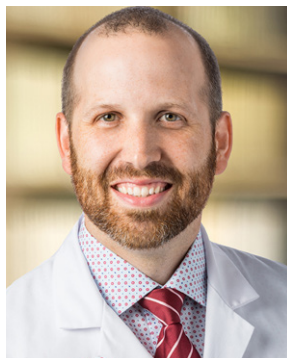
“Everyone can become siloed such that they don’t realize the experts in our University of Nebraska system,” says Dr. Fehringer. “These connections are especially vital early in clinical careers before one gets inundated with clinical volume... and can help one do some great research work.”

In addition to helping improve research and foster collaboration, Dr. Fehringer hopes the MSK research symposium continues to grow. “My immediate hope is future meetings,” says Dr. Fehringer. “This was a start, and we hope to host an annual MSK conference.”

Ultimately, Dr. Fehringer hopes the symposium and future meetings can propel the department and its collaborators to successfully compete for national translational research grants and form a UNMC MSK research center. “There has been a lot of great MSK translational research work done on this campus for decades. We’re shining a light on that, using it as a foundation for possibly even more work through some intentionality.”

Next Generation Distal Radius Plate Developed at UNMC

Daniel Firestone, MD, has spent countless hours operating on patients’ hands and wrists.



Daniel Firestone, MD

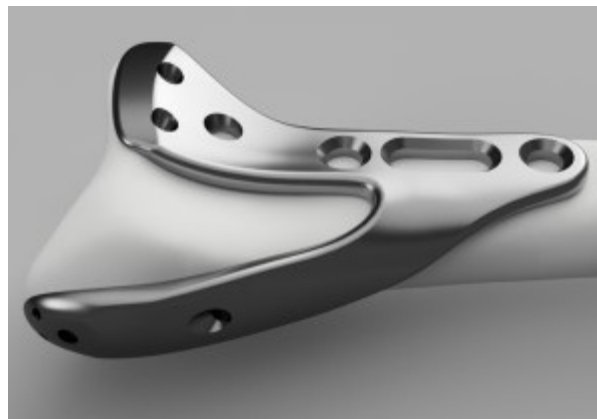
Specifically, Dr. Firestone sees many people with broken wrists, which is called a distal radius fracture. “For decades now, we’ve been treating these breaks similarly. The tools and types of plates and screws we use haven’t progressed much lately,” says Dr. Firestone.

A majority of wrist fixation surgeries utilize a single large plate and several screws to anchor each piece of the wrist together. The other kind of wrist surgery, fragment-specific fixation, uses multiple smaller plates to anchor each little piece of the wrist independently. Any fixation surgery that’s too complex to handle with one plate will utilize fragment-specific fixation.

Despite these two options, there are limitations to both styles of fixation. These limitations spurred Dr. Firestone, starting in 2018, to devise a plate different from what’s currently available. “I wanted to incorporate the ideas of fragment-specific fixation with a model that utilizes the familiarity and simplicity of the one incision, one-plate technique,” says Dr. Firestone.

Dr. Firestone has worked with UneMed, the technology transfer and commercialization leader for UNMC, to create a new fixation plate type. With UneMed’s assistance, he obtained a design and utility patent for this new fracture plate in 2022. In addition to these patents, industry partners are currently reviewing the plate to help further develop it.

“We’re to the point where we’re close to creating a metal prototype to test and use in a cadaver to determine if these ideas hold up,” says Dr. Firestone. “Ultimately, the next step will be to get it beyond this testing and have it included either in one of the main orthopaedic vendor systems or make it a standalone product and start putting it in patients.”



Dr. Garvin elected president-elect of the American Board of Orthopaedic Surgery

Kevin Garvin, MD, the L. Thomas Hood, MD, Professor and Chair of the UNMC Department of Orthopaedic Surgery and Rehabilitation, has been elected president-elect of the American Board of Orthopaedic Surgery for a one-year term. He will become president in October 2024.



Kevin Garvin, MD

"It is an honor to be recognized by my peers for the president-elect and president position of the American Board of Orthopaedic Surgery," said Dr. Garvin, who is an orthopaedic surgeon for Nebraska Medicine. "I am excited for the opportunity to serve."

James Linder, MD, CEO of Nebraska Medicine, said, "Dr. Garvin and I have worked together for 35 years. He is the consummate orthopaedic surgeon focused on the highest quality patient care, innovation, and mentoring of his faculty and residents. The ABOS will benefit greatly from his leadership."

Bradley Britigan, MD, dean of the UNMC College of Medicine, congratulated Dr. Garvin as well.

"This new role illustrates Dr. Garvin's stature within the orthopaedic medical community," Dr. Britigan said. "His professional knowledge and leadership skills are well known to his colleagues and will be of great value to ABOS."

The ABOS Board of Directors consists of 21 members, which includes 12 active directors, six senior directors, two directors-elect and one public member director. ABOS board members serve one 10-year term, while the public member director serves a three-year renewable term. Nominations to the ABOS Board of Directors come from the American Orthopaedic Association, the American Academy of Orthopaedic Surgeons and the American Medical Association.

Dr. Garvin specializes in hip and knee reconstruction, as well as the treatment of musculoskeletal infections. He is an active researcher with more

than 150 peer-reviewed articles and many textbook chapters to his credit.

Dr. Garvin said he has been fortunate to hold leadership positions not only at the UNMC College of Medicine and Nebraska Medicine but also nationally. He has served as chair of the Department of Orthopaedic Surgery for more than two decades and, from 2017-18, was president of the North American Hip Society.

In 2018, he was elected to the ABOS Board of Directors and has served the board in many capacities, most recently as chair of the ABOS Oral Examination Committee.

Dr. Garvin said he believes those experiences will help him in the position of president-elect and president of the American Board of Orthopaedic Surgery. He said he would strive to prioritize the well-being of patients when making decisions and always do what is best for patients as the field of health care changes.

Dr. Garvin earned his medical degree at the Medical College of Wisconsin. He completed an orthopaedic surgery residency at the University of Arkansas for Medical Sciences and a hip fellowship at the Hospital for Special Surgery.

The American Board of Orthopaedic Surgery Inc. was founded in 1934 as a private, voluntary, non-profit, independent organization to serve the best interests of the public and the medical profession. These interests are achieved through the ABOS by establishing standards for the education of orthopaedic surgeons. The ABOS evaluate these standards through examinations and practice evaluations.

More information can be found on the ABOS website at abos.org.

Dr. Konigsberg named Medical Staff President for Nebraska Medicine



Beau Konigsberg, MD

Beau Konigsberg, MD, started his role as the Nebraska Medicine Medical Staff President on January 1, 2024. Previously, Dr. Konigsberg served as the vice president-elect of medical staff for the past two years. Before serving as vice president-elect, he was the secretary-treasurer of the medical staff.

As president of the medical staff, Dr. Konigsberg will represent the interests of the entire medical staff to the medical executive committee and the Nebraska Medicine Board of Directors.

"I think the job is important to have the interest of the entire medical staff at heart. The medical staff is the engine that drives the hospital's success, and it's essential that we have good representation in our self-governance to remain successful/ I'm most looking forward to the opportunity to help the medical staff in this position. If they have concerns or things they want to see changed or improved in Nebraska Medicine, I want to be their

voice to executives to help make that happen," says Dr. Konigsberg.

"At Nebraska Medicine, we've almost always been in a growth position. But now it seems to be taking off as turbocharged growth. The projects on deck are more significant than anything we've seen. So, it is an exciting time to be part of Nebraska Medicine. The campus is going to look dramatically different over the next five to 10 years, and it's going to be interesting to learn about and be a part of this transformation," says Dr. Konigsberg.

Scherl Award



Susan Scherl, MD

Congratulations to Dr. Susan Scherl who was awarded the 2023 Section on Orthopaedics Distinguished Service Award by the American Academy of Pediatrics (AAP).

The AAP recognizes pediatricians, pediatric subspecialists and trainees for exemplary achievements in advocacy, practice and research that impact the care of children every day.

This is the second time a Children's Pediatric Orthopaedic physician has been recognized with this award since Dr. Paul Esposito received the award in 2017.

The Orthopaedic Department receives national recognition for both Adult and Pediatric Programs

Becker's Hospital Review acknowledged Nebraska Medicine and Children's Nebraska (Children's) for their exceptional orthopaedic care for people with musculoskeletal injuries and conditions by ranking both institutions in the top 100 hospitals and healthcare systems in the United States.

Nebraska Medicine Orthopaedics providers treat more than 35,000 adult patients a year. Nebraska Medicine has a broad range of Orthopaedic expertise available, including adult reconstruction, foot and ankle, hand and upper extremity, shoulder and elbow, spine, trauma, sports medicine, and the state's only orthopaedic oncologist. It is home to the only state-designated comprehensive trauma center that provides care to both children and adults.

Children's Nebraska (Children's) is home to the only orthopaedic service in Nebraska that is dedicated solely

to children and adolescents. It was distinguished for its nationally known subspecialty expertise and extensive experience in the most complex conditions, including osteogenesis imperfecta, metabolic bone disease, spine deformity, hip preservation, cerebral palsy, myelomeningocele, neuromuscular diseases, clubfoot, and more. It was also noted for using the most advanced imaging techniques and for being the only hospital in Nebraska offering low-radiation EOS imaging technology. Through its academic partnership with the University of Nebraska

Medical Center (UNMC), Children's has become a leader in areas of pediatric orthopaedic research, such as orthopaedic trauma, osteogenesis imperfecta, spinal surgeries, and the correlation between stem cells, aging, and health.

UNMC is also home to the Orthopaedic Biomechanics and Advanced Surgical Technologies Laboratory, which, for decades, has helped set national and international standards for joint replacement systems and has led the way in creating and testing next-generation prosthetic joints and implants with improved durability and performance.

Garvin named as a Cutting Edge Surgeon

Dr. Kevin Garvin was listed as one of the five surgeons in the United States on the cutting edge of Orthopaedics and making waves in the industry in the December 2023 Becker's Orthopaedic & Spine Review. Becker's Orthopaedic & Spine Review is a leading resource offering news and analysis on business and legal issues relating to orthopaedic and spine practices.



For the love of the game and its future

Orthopaedic surgeon Ed Fehringer, MD, added another title to his professional accomplishments: self-published author.

After years of helping athletes experiencing pain in their throwing arm, Dr. Fehringer published his first book, *Hinge... Pronate: On Throwing Arm Pain from four Perspectives* to assist players, parents, coaches, and medical professionals grappling with this issue.

Years of seeing patients struggle with such pain and his unique background also inspired Dr. Fehringer to invest significant time in writing this book and creating an accompanying YouTube video, *Arm/Sense for the Young Pitcher* (<https://www.youtube.com/watch?v=3U8TYBRt1jM>). "I'm passionate about this topic because I've experienced it from four perspectives: player, parent, coach, and orthopaedic shoulder and elbow surgeon," says Dr. Fehringer.

"When players have arm pain, it's challenging to identify the source because there are so many variables that can contribute," says Dr. Fehringer. Consequently, treating throwing arm pain often requires a multi-factorial approach. "Everybody wants that golden nugget, the one thing one can take away or fix the problem. But a singular solution often doesn't exist."

However, there is one action parents, coaches, and physicians can use to help

players experiencing throwing arm pain. "I think a game changer for me is kids being able to communicate with their physician, coach, or parent about their pain," says Dr. Fehringer.

Removing the stigma surrounding pain and establishing open lines of communication is essential to help reduce or eliminate arm pain before an injury occurs. "The ability to communicate one's pain, without judgment, is key," says Dr. Fehringer. "Open communication should be a way for players, coaches, and parents to help redirect movement and what a player's doing to train and recover better before a devastating injury occurs."

In addition to his book and video, Dr. Fehringer remains committed to helping those with throwing arm pain through his practice, too. "During the last eight years, I've spent a lot of time meeting families at a baseball park or facilities to learn about what was happening, observe how they were moving, and trying to determine what was potentially contributing to their arm pain," says Dr. Fehringer.

"But I was often guessing at the chicken or egg. Was the pain contributing to their movement, or was the movement causing

their pain?" says Dr. Fehringer. This frustration inspired Dr. Fehringer to write his book and produce his video, which took much work, time, blood, sweat, and tears. Fortunately, this effort also led him to a new way of helping those with throwing arm pain.

"The vast majority don't need surgery, especially if the issue is early," says Dr. Fehringer. "If I identify things on their X-rays or an MRI scan and there's no surgical solution to what I'm seeing, I have better answers for them that aren't surgery, but this often requires a lot of work on the thrower's part."

Ultimately, there is not only one way to cure those with throwing arm pain. "The key is recognizing there is no 'key,'" says Dr. Fehringer. "Many things are happening when throwing, and subtle differences of strength, coordination, strength in coordination, size, and shape matter."

Still, with advances in thinking about the problem, like those outlined in *Hinge... Pronate*, there's hope for players with arm pain. Dr. Fehringer hopes his book and video will help players, parents, coaches, and medical professionals find the best solution for throwing arm pain.



A Breakthrough! Ensuring Successful Surgical Outcomes

Dr. Richard Amendola led his team in a lab preparatory practice exercise to conduct an upcoming real-life patient procedure. By utilizing exactly the same equipment as in the OR and mastering the operative procedure by practicing in a simulation environment, the risk is reduced for all parties to achieve extraordinary patient care!



A BEARable new procedure helps patients with ACL tears

The department received accolades for a first-of-its-kind type of anterior cruciate ligament (ACL) surgery using a BEAR implant which is designed to keep and preserve the patient's own tissue by enabling it to heal its own torn ACL. The surgery, performed by Matthew Tao, MD, uses tissue that's already present instead of a graft.

Learn more about this story from WOWT at go.unmc.edu/WOWTstory

Interview with Dr. Duwelius

The foundation recently had a chance to interview one of the leading donors to the UNMC Orthopaedic program, Dr. Paul Duwelius.



Paul Duwelius, MD

Dr. Duwelius graduated from Creighton University School of Medicine in 1982, did his residency in orthopaedic surgery at UNMC in Omaha, and a trauma fellowship at the University of California at Davis in Sacramento. He holds a position at Oregon Health & Science University as an Adjunct Associate Professor of Orthopaedics and is a Clinical Attending at Providence St. Vincent Medical Center in Portland, Oregon. He is Chair of the Orthopaedic Research Foundation and the Director of the Total Joint Institute at Providence St. Vincent Medical Center in Portland, Oregon. Dr. Duwelius is married and has three children. Recreational activities include sports activities with his family, including fly fishing, upland bird hunting, cycling, and snow skiing.

Q: What is your background/history with the Department of Orthopaedic Surgery? What did it mean to you to receive your residency training at UNMC?

A: My mentors at the UNMC Orthopaedic residency program set me up for a very successful career in both academic and

private practice that involved the teaching of residents in both cases. I felt honored to have been a graduate of UNMC and to be back for the 50th Anniversary of UNMC's orthopaedic program as well as the 50th Anniversary of the Hip Society, both of which were celebrated in Omaha. Dr. John Connolly was my program chair and was a great mentor of mine. Dr. Kevin Garvin, the present Chair, has made UNMC's orthopaedic program one of the best in the country. UNMC gave me the tools to be successful, and this is the reason I feel it is essential to give back to your Alma Mater.

Q: What made you initially start giving back to the Department? It looks like your first gift was in 1998.

A: Dr. Kevin Garvin and I are close friends, and he has done a lot for me, as well as Dr. John Connolly. Both Dr. Connolly and Dr. Garvin have helped me in my career with research ideas, committee assignments, and support for academic society memberships. I feel a great deal of allegiance to UNMC's orthopaedic program and the way that it has grown and developed nationally and internationally under Dr. Garvin's team of outstanding faculty and residents.

Q: Why do you support the John F. Connolly Resident Excellence Fund?

A: I had the privilege of being one of the residents during Dr. John Connolly's chairmanship days. John was a brilliant researcher and excellent teacher to his orthopaedic residents. John was the quintessential Irish gentleman who always had a good joke. If you worked hard, he took great care to teach and prepare us for great

careers in orthopaedic surgery. I am deeply indebted to John and all of the attending surgeons at UNMC during that time, which included Walt Huurman, Mike Walsh, Tom Ferlic, Max Jardon, Tim Fitzgibbons, and Mike Gross from Creighton.

Q: What would you say to others to encourage them to support future residents and medical students?

A: There are many ways to support residents and medical students. In my career, the best way was to teach them and get them involved in quality research projects. Secondly, the John Connolly Resident fund helps support the UNMC residents with their projects, so it is a way to give back to those who taught me and helped me be a better orthopaedic surgeon.

Q: How do you feel your residency set you up for success in your role as a surgeon?

A: My excellent residency training at UNMC led me to a great fellowship in orthopaedic trauma at UC Davis. After that, I was a faculty member at OHSU in Portland for 8 years and then went into private practice at Orthopaedic and Fracture Specialists in Portland, where I had the privilege of continuing to treat orthopaedic residents.

If you would like to learn more about private gifts or opportunities to support the department through outright gifts or planned gifts, we welcome the opportunity for a conversation. We are very grateful for every donation, as well as each person who is committed to supporting our community.

APPs continued from pg 1

Orthopaedic APPs

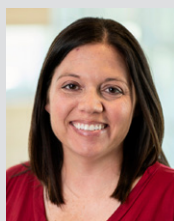
ADULT



Isabella Arkfeld,
PA-C



Amy Bond, APRN



Megan Bickham,
MPAS, PA-C



Danelle Goltz, APRN



Bobby Hefflinger,
APRN



Kelly Hubley, APRN



Sara Kelly, PA-C



John Lane, PA-C



Megan Mertz, APRN



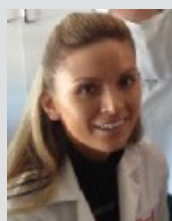
Erin Walsh, PA-C



Debbie Warren,
APRN



Alex Wheatley, PA-C



Ramona Zephier,
PA-C

PEDIATRIC



Kiley Pugel, PA-C
Caitlyn Kubik, PA-C
Natalie Englebretson, PA-C

Not Pictured:
Bridget Burke, PA-C
Michelle Craig, PA-C



Thank you to our alums, residents, fellows, grateful patients, and friends who have committed to supporting the Department of Orthopaedic Surgery. Over the years, without your support, we wouldn't have been able to become the department that we are today that continues to educate, train, and implement a high standard of patient care. Because of you, we can develop new clinical programs and innovative education strategies, send residents to national conferences, and conduct the latest research.

If you would like to learn more about private gifts or opportunities to support the department through outright gifts or planned gifts, we welcome the opportunity for a conversation. We are very grateful for every donation, as well as each person who is committed to supporting our community.

Please get in touch with Emily Tiensvold, senior director of development,
at the University of Nebraska Foundation for more information.
emily.tiensvold@unfoudnation.org | 402-502-4107.

PUBLICATIONS

Deans CF, Buckner BC, Garvin KL. Wear, Osteolysis, and Aseptic Loosening Following Total Hip Arthroplasty in Young Patients with Highly Cross-Linked Polyethylene: A Review of Studies with a Follow-Up of over 15 Years. *J Clin Med.* 2023 Oct, 12(20):6615. PMID: 37892754

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Hasley BP. (2023) Moderator. Plenary Session. *Mid-America Orthopaedic Association 40th Annual Meeting. Miramar Beach, FL*

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Antonson N, Buckner BC, **Garvin KL, Haider H, Hartman C, Kildow BJ, Konigsberg BS**, Purtil J, Wharton Rees H. (2023) Novel Technique for the Identification of Hip Implants Using Artificial Intelligence. *American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV*

Kildow BJ. (2023) Techniques in Revision Total Knee Arthroplasty: Enovis Knee Symposium. *American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV*

Kildow BJ. (2023) Instruction Course Lecture: Elution profile and concentration of Antibiotic Cement in Total Joint Arthroplasty. *American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV*

Kildow BJ. (2023) Instruction Course Lecture: Antiseptic Solutions in Total Joint Arthroplasty: Do we have a winner? *American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV*

Zitsch BP, **Konigsberg BS, Hartman C.** (2023) Tapered Fluted Titanium Stems in Revision Total Hip Arthroplasty: A Clinical and Radiographic Outcomes Study of Monobloc and Modular Designs. *Mid-America Orthopaedic Association (MAOA) Annual Meeting. Miramar Beach, FL*

Mathew SE. (2023) Medial Column Soft Tissue Imbrication with Internal brace Augmentation Following Lateral Column Lengthening in the Ambulatory Pediatric Cerebral Palsy Population with Pes Planovalgus Foot Deformities: A Novel Indication. *Maryland Orthopaedic Association Annual Meeting. Hanover, MD*

Morgan JA. (2023) Hand/Elbow Breakout Session #1. *Mid-America Orthopaedic Association Annual Meeting. Miramar Beach, FL*

Morgan JA. (2023) Tips and Tricked: When Complex Carpal Instability Gets Even More Complicated. *Mid-America Orthopaedic Association Annual Meeting. Miramar Beach, FL*

Stockwell EL, Hays MR, Urban, N, **Mormino MA, Siebler JC, Putnam SM.** (2023) Association Between Mortality and Early Post-operative Ambulation After Distal Femur Fracture Fixation in Elderly Patients. *Mid-America Orthopaedic Association Annual Meeting. Miramar Beach, FL*

Mormino MA. (2023) Classics Speaker: Subtrochanteric Femur Fractures: Avoiding Complications. *Mid-America Orthopaedic Association Annual Meeting. Miramar Beach, FL*

Putnam SM. (2023) Coding Complex Pelvic Ring Injuries: Presentation to Local Trauma Registrars. *Omaha, NE*

Bupivacaine MH, Khela MS, Lyden ER, **Siebler JC.** (2023) Novel Fluoroscopic Trainer for the Orthopaedic Trainee. *Graduate Medical Education Research Symposium. University Nebraska Medical Center, Omaha, NE*

Freeman MH, Khela MS, Lyden ER, **Siebler JC.** (2023) Novel Fluoroscopic Trainer for the Orthopaedic Trainee. *Midwest Student Biomedical Research Forum. Creighton University, Omaha, NE*

Siebler JC. (2023) Table Instructor/Discussion Group Leader: Principles of Fracture Management. *AO Trauma NA Blended Course - Basic Principles of Fracture Management. New Orleans, LA*

Siebler JC. (2023) Hip Fracture Lab Leader/Presenter. *AO Trauma NA Blended Course - Basic Principles of Fracture Management. New Orleans, LA*

Siebler JC, Bouckhuys JL, Mormino MA. (2023) Orthopaedic Surgery First-Year Resident Surgical Skills Month Curriculum. *Mid-America Orthopaedic Association 40th Annual Meeting. Miramar Beach, FL*

Karam M, **Siebler JC, Swiontkowski M.** (2023) Ask The Experts Orthopaedic Trauma. *Mid-America Orthopaedic Association 40th Annual Meeting. Miramar Beach, FL*

Tao MA. (2023) Post-Traumatic Arthritis After ACL. *70th Annual Piedmont Orthopaedic Society Meeting. Sea Island, GA*

Tao MA. (2023) Muscle Performance and Movement Patterns After Passing Clinic-Based Return-To-Sport Testing After ACL Reconstruction. *American Physical Therapy Association Combined Sections Meeting. San Diego, CA*

Tao MA, Toth A, Ahmad C, Shubin Stein B. (2023) Instructional Course Lecture: Complications: Surgeon's Worst Enemy & Best Teacher. *2023 AOSSM Annual Meeting. Washington DC*

Tao MA. (2023) Building Team Success. *Nebraska Medicine Perioperative Staff. University of Nebraska Medical Center. Omaha, NE*

Tao MA. (2023) ACLs & Post-Traumatic Arthritis: The Effect of Physical Activity. *University of Nebraska Medical Center Orthopaedic Surgery Graduation. Omaha, NE*

Gavia A, Werner DM, Wellsandt MJ, Rosenthal MD, **Tao MA, Wellsandt E.** (2023) Differences in Temporospatial Hop Characteristics Between Limbs at Return to Sport After ACL Reconstruction. *Midwest Student Biomedical Research Forum. Omaha, NE*

Li Y, Hayden SW, McManigal ML, Werner DM, Jorgensen AJ, **Tao MA, Wellsandt E.** (2023) Can Compensatory Strategies During Bilateral Squats Predict Asymmetrical Knee Loading Patterns After ACL Reconstruction? *Midwest Student Biomedical Research Forum. Omaha, NE*

Weaver B, Gavia A, Wellsandt MJ, Werner DM, Schelkopf S, **Tao MA, Wellsandt E.** (2023) Factors Impacting Return to Sport Timing Following ACL Reconstruction. *Midwest Student Biomedical Research Forum. Omaha, NE*

Werner DM, **Tao MA, Conlin A, Murray PE, Sanny W, Thomsen CJ, Wellsandt MJ, Wellsandt E.** (2023) Muscle Performance and Movement Patterns After Passing Clinic-Based Return-To-Sport Testing After ACL Reconstruction. *American Physical Therapy Association. San Diego, CA*

Li Y, Hayden SW, McManigal ML, Werner DM, Jorgensen AJ, **Tao MA, Wellsandt E.** (2023) Can Compensatory Strategies During Bilateral Squats Predict Asymmetrical Knee Loading Patterns After ACL Reconstruction? *American Physical Therapy Association. San Diego, CA*

Jorgensen AJ, Werner DM, **Tao MA, Wellsandt E.** (2023) Knee Loading Asymmetry Is Greatest During Ascent Phase of Squatting After Anterior Cruciate Ligament Reconstruction. *American Physical Therapy Association. San Diego, CA*

Pu Y, Williams C, Werner DM, McManigal ML, Jorgensen AJ, **Tao MA, Wellsandt E.** (2023) Intralimb Compensations During Squatting Change in the 6 Months Following Anterior Cruciate Ligament Reconstruction. *American Physical Therapy Association. San Diego, CA*

Weaver B, Gavia A, Wellsandt MJ, Werner DM, Schelkopf SM, **Tao MA, Wellsandt EA.** (2023) Factors Impacting Return to Sport Timing Following ACL Reconstruction (Poster). *2023 AOSSM Annual Meeting. Washington, DC*

McKee M, Werner DM, Golightly YM, **Tao MA, Wellsandt EA.** (2023) Gait Biomechanics and Physical Activity as Predictors of Cartilage Degradation After Anterior Cruciate Ligament Reconstruction (Poster). *Osteoarthritis Research Society International Annual World Congress. Denver, CO*

McKee M, Werner DM, Golightly YM, **Tao MA, Wellsandt EA.** (2023) Predictors of Cartilage Degradation After Anterior Cruciate Ligament Reconstruction (Poster). *Midwest Student Biomedical Research Forum. Omaha, NE*

Hemmingsen T, Sacco G, Werner DM, Post AL, Weaver B, **Tao MA, Wellsandt EA.** (2023) Association Between Kinesiophobia and Physical Activity Early After Anterior Cruciate Ligament Injury and Reconstruction (Poster). *American Physical Therapy Association Combined Sections Meeting. San Diego, CA*

Teusink MJ. (2023) Shoulder and Elbow Poster, Session 1. *American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV*

Hyunmin K, **Teusink MJ.** (2023) Moderator 2, Shoulder and Elbow Paper Presentations. *American Academy of Orthopaedic Surgeons Annual Meeting. Las Vegas, NV*

Teusink MJ. (2023) Facilitator: Plenary Session, Symposium III: Shoulder Arthroplasty. *Mid-America Orthopaedic Association Annual Meeting. Miramar Beach, FL*

Sharp TN, Moore ES, **Teusink MJ.** (2023) Gait Abnormalities in Elderly Patients Undergoing Elective Shoulder Surgery (Abstract Presented). *Mid-America Orthopaedic Association Annual Meeting. Miramar Beach, FL*

Teusink MJ. (2023) Management of Complications of Reverse Shoulder Arthroplasty (Invited Lecture). *Mid-America Orthopaedic Association Annual Meeting. Miramar Beach, FL*

DellaPolla A, Samson KK, Sekeramayi TM, Dalamaggas A, Gillespie M, Eaton V, Strudthoff EK, **Wallace MJ.** (2023) Femoral and Tibial Indications for Initial and Reoperation Surgeries with Fassier-Duval IM Rods for Children with Osteogenesis Imperfecta. *3rd QUALITY OF LIFE 4OI Conference. Online*

Eaton V, **Wallace M.** (2023) Assessing the Safety and Efficacy of Tranexamic Acid Usage in Osteogenesis Imperfecta Patients. *3rd QUALITY OF LIFE 4OI Conference. Online*

Nun L, **Wallace M.** (2023) Preliminary Results of Access to Orthopaedic Care in Pediatric Patients with Osteogenesis Imperfecta. *Mid-America Orthopaedic Association Annual Meeting. Miramar Beach, FL*

Eaton V, **Wallace M.** (2023) Assessing the Safety and Efficacy of Tranexamic Acid Usage in Osteogenesis Imperfecta Patients. *Mid-America Orthopaedic Association Annual Meeting. Miramar Beach, FL*

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CLINIC LOCATIONS

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Bellevue, NE 68123

Village Pointe

17405 Burke Street
Omaha, NE 68118

Children's Nebraska | 402-955-6300

Children's Hospital & Medical Center

Specialty Pediatric Center – Orthopaedics

111 N. 84th Street
Omaha, NE 68114

In this issue

1 Importance of APPs

Advanced practice providers — or APPs — are essential to almost every health care team, including Nebraska Medicine Orthopaedics.

6 The Orthopaedic Department receives national recognition for both Adult and Pediatric Programs

Becker's Hospital Review acknowledged Nebraska Medicine and Children's Nebraska for their exceptional orthopaedic care for people with musculoskeletal injuries.

10 For the love of the game and its future

On October 2, 2022, orthopaedic surgeon Ed Fehringer, MD, added another title to his professional accomplishments: self-published author.

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