



## Visiting Professor Lecture Series

Jordan S. Cohen, MD



### **June 17, 2021: Raymond G. Tronzo, MD Visiting Professor Lectureship**

**Wayne G. Paprosky, MD, FACS**

Professor, Department of Orthopaedic Surgery at Rush University Medical Center

Wayne G. Paprosky, MD, FACS, graduated the University of Western Ontario and McMaster University School of Medicine. Following an orthopaedic surgery residency at the Henry Ford Hospital, he completed an adult joint reconstruction surgery fellowship at New England Baptist Hospital. Dr. Paprosky is a clinical professor of orthopaedic surgery at Rush University Medical Center.

Dr. Paprosky was one of the first surgeons to perform total hip surgery with cementless implants, which is today's standard. He developed the Paprosky Classification, which is now used worldwide to assess acetabular bone loss when performing revision hip surgery. Dr. Paprosky co-developed and implanted the first gender specific hip for women 15 years ago. These concepts have led to the development of today's gender specific implants for active females. In addition, Dr. Paprosky performs minimally invasive total hip and knee surgery enabling patients to go home within 24 hours.

He is an active member and leader in many societies including the American Association of Hip and Knee Surgeons,



**Figure 1.** Wayne G. Paprosky, MD, FACS

the American Academy of Orthopaedic Surgeons, the Hip Society (President 2008), and the International Hip Society.

The University of Pennsylvania Department of Orthopaedics was honored to welcome Dr. Paprosky virtually for the Raymond G. Tronzo, MD lectureship (Figure 1). In his lecture, Dr. Paprosky offered a retrospective on the field of revision hip arthroplasty. He then engaged in a lively, interactive case-based discussion with the residents and fellows where he provided his expert insights on challenging cases encountered within our own health system.

### **October 7, 2021: Inaugural Dean G. Lorich, MD Memorial Lectureship**

**David L. Helfet, MD**

Professor of Orthopaedic Surgery, Cornell Medical College; Chief Emeritus of the Orthopaedic Trauma Service, Hospital for Special Surgery, New York Presbyterian Hospital

Dr. Helfet is Chief Emeritus of the Orthopedic Trauma Service (OTS) for HSS and NY Presbyterian Hospital, professor of Orthopedic Surgery at Weill Cornell Medicine, and is annually ranked as one of Castle-Connolly's publication, "America's Top Doctors."

Dr. Helfet is a world-renowned orthopedic surgeon and has served as member of the Board of Directors of Synthes, Chairman of AO Clinical Investigation and Documentation, President of the OTA, member of the AAOS, and examiner of the ABOS. Dr. Helfet is globally published and received numerous honors including the Presidential Guest and Watson-Jones Memorial Lecture of the British Orthopaedic Association, HSS Lifetime Achievement Award, and the Inaugural Award of the Society of Honorary Police Surgeons of the City of New York. He recently was inducted into the Johns Hopkins Society of Scholars and is currently designated as Orthopedic Trauma specialist for the Fire Department of New York, the New York Police Department, and New York State Police.

Dr. Helfet received a BSc in Biochemistry, M.B.Ch.B from the University of Cape Town, completed internship at Edendale Hospital in Pietermaritzburg, South Africa, surgical and orthopedic residencies at Johns Hopkins University, Trauma fellowship at the University of Bern/Insel Hospital in Bern, Switzerland, and Sports Medicine Fellowship at UCLA. Under Dr. Helfet's direction, the orthopaedic trauma service (OTS) has multiple ongoing research studies. Over the past five years, the OTS published 19 articles per year in peer reviewed journals. OTS research is presented nationally and internationally. Most recently, nine OTS studies were presented

at the AAOS Annual Meeting. Dr. Helfet's research initiatives are supported by numerous grant awards.

We were excited to welcome Dr. Helfet for the first in-person grand rounds since the beginning of the COVID-19 pandemic (Figure 2). Dr. Helfet began the morning with a lecture entitled, "Inaugural Dean Gerard Lorich, MD Lecture: An Enduring Legacy of Excellence." He described Dr. Lorich's surgical excellence, devotion to research, and profound contributions within the field of orthopaedic traumatology. Joined by his colleagues David Asprinio, MD, and David Wellman, MD, Dr. Helfet then hosted a trauma case discussion with involvement from our orthopaedic residents and orthopaedic trauma attendings. The variety of perspectives and expert insights obtained during the case presentations made them extremely valuable to all who were able to attend.



**Figure 2.** David L. Helfet, MD

## January 6, 2022: R. Bruce Heppenstall, MD Visiting Professor Lecture

James R. Ficke, MD, FACS, FAAOS

Colonel (retired) US Army; Robert A. Robinson Professor, Orthopaedic Surgeon-in-Chief, The Johns Hopkins Medical Institution

Dr. James R. Ficke is the Robert A. Robinson Professor and Chair of the Department of Orthopaedic Surgery at The Johns Hopkins Medical Institution (Figure 3). He has an active surgical practice in the Johns Hopkins Hospital. He currently also serves as a member of the Committee on Trauma and Chair of the Disaster Committee, American College



**Figure 3.** James R. Ficke, MD, FACS, FAAOS

of Surgeons, and the Board of Directors for the American Academy of Orthopaedic Surgeons. Dr. Ficke completed his BS degree in Engineering at West Point, MD at Uniformed Services University, and residency in orthopaedic surgery at Tripler Army Medical Center in Honolulu. He completed an AO fellowship in Trauma in Munich, Germany as well as a Foot and Ankle fellowship in Dallas, Texas.

Retired after 30 years of service in the United States Army, his last military assignment was Chair of the Department of Orthopaedics and Rehabilitation at San Antonio Military Medical Center at Fort Sam Houston, Texas. He also served the U.S. Army Surgeon General as the senior advisor for Orthopaedic Surgery and extremity injuries for seven years. While on Active Duty, he deployed to Iraq as senior orthopaedic surgeon-in-country and Deputy Commander for the 228th Combat Support Hospital. He also served as the Chief of Staff for the Surgeon General's Dismounted Complex Blast Injury Task Force, and the Army Lead for the DoD/VA Extremity Trauma and Amputee Center of Excellence Development Group. He served as Chair or Co-Chair of the Steering Committee for the DoD Peer Reviewed Orthopaedic Research Program for 8 years. He currently holds research grants with DoD and NIH and his primary research focus areas are clinical outcomes in post-traumatic ankle arthritis, National Trauma Systems Development, Resident Research Training (T32), and Disaster Response Improvement.

He has received the Society of Military Orthopaedic Surgeons' COL Brian Allgood Memorial Leadership Award as well as the Surgeon General's Major General Lewis Aspey Mologne Award for excellence in military academics, education, and clinical care. He is a Legionnaire in the Infantry Order of St. Michael, and a Distinguished Member of the Army Medical Regiment. In 2018, he received the Johns Hopkins Award for Advancement of Women in Science and Medicine,

and the Boy Scouts of America Leaders in Healthcare Award.

Dr. Ficke hosted Grand Rounds virtually due to the omicron wave of COVID-19. In his first lecture entitled, “High Energy Lower Extremity Trauma: Development of METRC & Current Best Practices,” Dr. Ficke discussed the evolution of thought concerning the management of severe lower extremity trauma, including both operative and nonoperative aspects of care including prostheses and bracing. He discussed his extensive experience managing mangled extremities as well as ongoing research in the area, including his involvement in the Major Extremity Trauma Research Consortium (METRC). After this lecture, Dr. Ficke gave another fascinating lecture, “Leadership Development in Changing Times: Saying Yes to Opportunity (Perspectives as Director of the Largest & Longest COVID Hospital).” It was impressive to hear about how he had used lessons learned from his military experience to direct the Baltimore Convention Center Field Hospital and expand hospital capacity to meet the rising demand for hospital care among those from the Baltimore area suffering from COVID-19. Following these lectures, he hosted a journal club for the residents where he provided his perspective on articles focusing on severe lower leg trauma, limb salvage, and lower extremity amputation.

**February 17, 2022:  
Edgar L. Ralston, MD  
Endowed Visiting Professor  
Lecture Celebrating  
Diversity, Equity, and  
Inclusion**

**Edward M. Barksdale, MD**

Surgeon-in-Chief Rainbow Babies & Children’s Hospital/ University Hospitals, Case Western Reserve School of Medicine

Edward M. Barksdale, Jr. MD is the Robert J. Izant, Jr. MD Professor and Surgeon-in-Chief at Rainbow Babies and Children’s Hospital/University Hospitals and Case Western Reserve School of Medicine. An All-American Athlete and Honors graduate of Yale University (1980), Dr. Barksdale received his medical degree from Harvard University (1984). He completed a residency in General Surgery at Massachusetts General Hospital (1991) and fellowship training in Pediatric Surgery at Children’s Hospital Medical Center in Cincinnati (1994). He began his academic surgical career at the Children’s Hospital of Pittsburgh (1994-2007) and was recruited to Rainbow/UH in 2007.

Dr. Barksdale has been widely recognized and awarded by colleagues and communities for his service to his various missions. A member of numerous national medical/surgical organizations, where he has also held leadership roles, Dr. Barksdale is the current President of the American Pediatric Surgery Association. He currently works at the nexus of academia, clinical surgery, medical education, public health,

and social justice as a passionate advocate for child health and healthcare. He endeavors to invest his academic, clinical, and service efforts to inspire individuals and transform communities at the precipice of hope. In Cleveland, he has been devoted to building programs to address health disparities particularly in fragile populations of children. He is the co-founder of the Antifragility Initiative, a novel holistic, person-centered, pediatric violence intervention funded by the Victims of Crime Act (VOCA). He is a proud husband and proud father of four adult children. His life and career have been guided by the strong humanistic and Christian values he learned from his family and his community growing up in Lynchburg, VA during the dynamic 1960’s.

In a riveting session, Dr. Barksdale presented a presentation titled, “A New Paradigm for Building Diversity in Surgery and Healthcare” (Figure 4). In this session, he reframed the popular understanding of diversity as a destination, discussed the importance of empowering people from all groups and providing an environment where all people feel

I valued, reviewed the limitations of current strategies to improve diversity, and discussed his philosophy on how to recruit, retain, and promote talent within an organization. His message encouraging true inclusivity that “leaves no group” behind was inspiring to all. Additionally, he hosted a leadership-themed journal club and answered residents’ questions regarding mentorship, sponsorship, and leadership in medicine.

**February 24, 2022:  
Leo Leung Visiting  
Professor Lecture**

**Ranjan Gupta, MD**

Professor of Orthopaedic Surgery, Anatomy & Neurobiology, and Biomedical Engineering, Chief of Shoulder Surgery, Councilor for the Zeta Chapter of Alpha Omega Alpha Honor Society, University of California, Irvine

Ranjan Gupta, MD received his undergraduate degree from Rensselaer Polytechnic Institute, and his medical doctorate degree from Albany Medical College through the Accelerated Six Year Biomedical Program. He completed a general surgery internship, residency in Orthopaedic Surgery, and an NIH Post Doctoral Research Fellowship at the University of Pennsylvania. Subsequently, Dr. Gupta completed fellowship training in hand surgery/ microsurgery at the University of California, Los Angeles, followed by an AO Fellowship in hand surgery/traumatology/shoulder at the University of Berne in Switzerland. He served in the role of Department Chairman for the University of California, Irvine from 2006 to 2015. He is the Principal Investigator for the UC Irvine Peripheral Nerve Research Lab that has been funded with extramural grants from numerous foundations (OREF, ASSH, OTA, Aircast) and the NIH. His lab is focused on Schwann cell control of neural injury and the pathogenesis of motor endplate degradation after traumatic nerve injury.





**Figure 4.** Dr. Barksdale as Ralston/DEI VP. Left to right: Dr. L. Scott Levin, Dr. Agnes Dardas, Dr. Edward Barksdale, Dr. Larry Wells

He has published over 100 manuscripts and has been recognized by his peers with the NIH Career Development Award from the National Institute for Neurologic Disorders & Stroke (2000), the Marshall Urist Young Investigator Award from the Association of Bone & Joint Surgeons (2005), the Kappa Delta Young Investigator Award from the American Academy of Orthopaedic Surgery and the Orthopaedic Research Society (2006), the Sterling Bunnell Traveling Fellowship from the American Society of Surgery of the Hand (2008), the American-British-Canadian Traveling Fellowship for the American Orthopaedic Association (2013), the Joseph H. Boyes Research Award from the American Society of Surgery of the Hand (2015), the Andrew

was fascinating to hear about his innovative approaches to patient care and to learn from the cases he presented. Next, he presented, “Looking over Darwin’s Shoulder: The Continuous Evolution of Shoulder Arthroplasty.” This talk provided a

J. Weiland Medal from the from the American Society of Surgery of the Hand to honor a surgeon-scientist who has contributed a significant body of research that has advanced the science and practice of hand surgery (2016), and the Charles S. Neer Award from the American Shoulder and Elbow Surgery (2019). He is particularly proud of receiving Faculty Teaching Awards (2016 & 2017) from his residents as well as serving as an oral examiner for the American Board of Orthopedic Surgery for eight years and the co-chair of the ASES education committee.

We were excited to welcome Dr. Gupta back to the University of Pennsylvania. In his first presentation, “The Lazarus Project: Preservation of the Neuromuscular Junction after Traumatic Nerve Injury,” he discussed his extensive his research on the interplay between nerves and muscles and how surgical techniques could leverage these interactions to restore function in patients with neurologic deficits. It



**Figure 5.** Dr. Ranjan Gupta in the human tissue lab with current residents and fellows

valuable historical perspective on the major advances that have improved shoulder prosthesis designs and ultimately patient outcomes. After his lectures, Dr. Gupta joined the residents in the Human Tissue Lab where he demonstrated nerve transfers including the AIN to deep motor branch of the ulnar nerve transfer, Oberlin Transfer, and partial radial nerve to axillary nerve transfer (Figure 5). He also taught the residents how to identify the spinal accessory nerve in the supraclavicular space and harvest intercostal nerves.

## **March 17, 2022: June C. Wapner Visiting Professor Lectureship**

**Robert Anderson, MD**

Director of Sports Foot and Ankle, Titledown Sports Medicine and Orthopaedics; Associate Clinical Professor, Department of Orthopaedic Surgery, Medical College of Wisconsin

Robert B. Anderson, MD was born in Milwaukee, WI and attended the University of Mississippi where he was inducted into their Hall of Fame. He completed his medical degree at the Medical College of Wisconsin. He was the founding orthopaedic surgeon of the O.L. Miller Foot and Ankle Institute of OrthoCarolina in Charlotte, North Carolina, practicing there for 29 years. In 2017, he joined the Titledown Sports Medicine and Orthopaedic Clinic in Green Bay as Director of Foot and Ankle. Dr. Anderson is fellowship-trained in foot and ankle disorders, studying with Dr. John Gould in Milwaukee, WI in 1988. He served as a team orthopaedist to the Carolina Panthers from 2000-2017 and is now an associate team physician to the Green Bay Packers. He has served as the chairman of the Foot and Ankle Subcommittee for the NFL since 2003 and was appointed as the co-chair of the NFL's Musculoskeletal Committee in 2016, overseeing all orthopaedic injuries and research in professional football. He actively consults for a number of NFL/ NBA/ NHL/ MLB teams and colleges. He was named the NFL Physician of the Year in 2016.

A cofounder of the OrthoCarolina Foot and Ankle Fellowship program, he also served as Chief of the Foot and Ankle Service at Carolinas Medical Center from 1989-2015. Dr. Anderson is also a past-president of the American Orthopaedic Foot and Ankle Society. He is the co-editor of the 9th edition of Mann's: Surgery of the Foot and Ankle; former Editor-in-Chief of the journal, Techniques in Foot and Ankle Surgery; associate editor/reviewer for JBJS, JAAOS, FAI, AJSM and numerous other peer-review publications; and author/editor of numerous chapters and manuscripts.

We were privileged to welcome Dr. Anderson to the University of Pennsylvania this year (Figure 6). In his first talk, "Update on the NFL with Lower Extremity Injury Trends and Research Testing," Dr. Anderson discussed his firsthand experience working with the NFL on efforts to identify modifiable contributors to the injury burden in the league. In particular, he discussed his extensive work on the interaction between footwear and playing surfaces. He also discussed his



**Figure 6.** Robert Anderson, MD

other ongoing research projects and their potential impact on the players moving forward. He then gave a second lecture about foot and ankle injuries in the elite athlete. In this, he discussed common lower extremity injuries in football, his treatment algorithms, and the unique challenges associated with treating elite athletes. Finally, he led a journal club on the residents where he discussed his thoughts on articles dealing with relevant clinical problems including Lisfranc injuries, achilles tendon ruptures, turf toe, and syndesmotom injuries.

## **April 14, 2022: Ernest J. Gentchos and Friend Visiting Professor Lectureship**

**Mark A. Frankle, MD**

Chief of Shoulder & Elbow Surgery, Florida Orthopaedic Institute; Principal Investigator, Foundation for Orthopaedic Research and Education

Mark Frankle, MD has been with Florida Orthopaedic Institute since 1991 and received his fellowship training at Mayo Clinic in Rochester, Minnesota. He is board certified by the American Board of Orthopaedic Surgery and specializes in shoulder and elbow surgery. Dr. Frankle has authored more than two hundred articles in professional journals, maintains ongoing research projects and has presented his findings at various professional conferences. He has also been serving as a reviewer of the Journal of Orthopaedic Research. A shoulder implant designer, Dr. Frankle's replacement methods and instrumentations, like his reverse shoulder prosthesis,



