



Visiting Professor Lecture Series

June C. Wapner Memorial Lectureship

July 23-24th 2014

Guest Lecturer: James A. Nunley, MD

Tyler R. Morris, MD



The University of Pennsylvania Department of Orthopaedics was honored to welcome Dr. James A. Nunley for an informative two day visit this past July. Born and raised in West Virginia, Dr. Nunley attained an undergraduate degree at Duke University, graduated medical school from Tulane University and completed his internship in General Surgery at UCLA before returning to Duke to complete

his Orthopaedic training, as well as a Hand fellowship, in 1979. He is an NIH funded researcher with over 240 peer-reviewed articles, book chapters, and presentations, and served as the president of the American Orthopaedic Foot and Ankle Society from 1997-1998. Having served on the faculty of Duke Orthopaedics for the past 4 decades, including as the inaugural J. Leonard Goldner Chair of the Department of Orthopaedics in 2002, it was a true boon to the department to host Dr. Nunley.

Beginning on Wednesday night, Dr. Nunley hosted the residents, fellows and faculty in a prosection in the Penn Human Tissue Laboratory. Drawing on his obvious mastery of orthopaedic surgery, he approached the cadaveric foot and ankle using medial and lateral approaches, exposed the relevant anatomic structures most important to foot and ankle surgery, and lectured on the associated pathophysiology and treatment options. With the majority of the residency in attendance, Dr. Nunley spent the evening answering questions about his clinical practice and his methods in and out of the OR. His obvious ease in teaching residents and junior faculty was in full display, and many residents stayed afterward to practice his dissection techniques themselves.

The next morning Dr. Nunley began with an educational resident lecture, "Athletic Stress Fractures of the Foot and Ankle," where he drew on his vast experience in dealing with athletes at the collegiate, professional and Olympic levels.

After a brief break, Dr. Keith L. Wapner gave a formal introduction to the lectureship, dedicated to the memory of his late wife. Giving a stirring and emotional speech, Dr. Wapner explained how the June C. Wapner Memorial lecture was established to honor his wife's lasting legacy to their two sons and her indomitable spirit. Echoing his words, Dr. L. Scott Levin paid homage to June's lasting legacy through the lectureship, and he expressed his gratefulness for the opportunity to welcome a visiting professor who had personally known June. Dr. Levin also conveyed profound gratitude for Dr. Nunley's mentorship at Duke across 3 decades, referring to him as a renaissance man for his varied interests and areas of expertise, as well as being a personal friend and mentor.

Dr. Nunley then gave a captivating lecture showcasing his experience with total ankle arthroplasty over the course of his career and his philosophy on implants and patient outcomes. Touching on several cases with radiographic and clinical photos, he was able to illustrate to complexity of the total ankle arthroplasty and the inherent difficulty in these clinical cases and outcomes.



The University of Pennsylvania Department of Orthopaedics was truly fortunate to have Dr. James A Nunley as the June C. Wapner Memorial Lectureship Visiting Professor, and look forward to continued collaboration in the future.

Guest Lecturer: Christopher I. Shaffrey, MD

October 2nd 2014

Blair S. Ashley, MD



The University of Pennsylvania Department of Orthopaedics was honored to welcome Dr. Christopher I. Shaffrey for an informative visit this past October. Born and raised in Milwaukee, Wisconsin, Dr. Shaffrey earned his undergraduate degree from The Citadel, graduating magna cum laude, and earned his medical degree from the University of Virginia. He completed his surgical internship at the Naval

Hospital San Diego before returning to The University of Virginia to complete both orthopaedic and neurosurgical residencies, followed by a fellowship in pediatric and adult reconstructive spine surgery at The University of Virginia in 1995. Following his postgraduate training, Dr. Shaffrey completed a scholarship obligation to the United States Navy at Portsmouth Navy Medical Center and was then appointed to the senior staff in neurosurgery and orthopaedic surgery at Henry Ford Hospital, followed by associate professorship in neurosurgery and orthopaedic surgery at the University of Washington, and ultimately returned to the University of Virginia as a Professor of Neurologic surgery. His busy clinical practice is complemented by his research and academic interests in spinal surgery, including research in pediatric and adult scoliosis, spinal trauma and tumors involving the spinal column, and clinical outcomes. He has been a funded principal investigator in numerous grants and clinical trials, has served on the boards of numerous journals, is an active reviewer for premier journals, and is the author of more than 100 publications, 500 national and international presentations, and has served as an editor for several textbooks on spinal surgery.

The morning began with a formal introduction of Dr. Shaffrey by Dr. Sean Grady who detailed Dr. Shaffrey's many accolades and shared personal anecdotes of Dr. Shaffrey's mentorship during his early years of training at UVA. Dr. Shaffrey then began with an educational resident lecture on when lumbar disease becomes spinal deformity, where he showcased several clinical cases including radiographs that illustrated the spectrum of disease and surgical correction that he has performed throughout his career. He expressed his inspiring philosophy that it behooves all surgeons to critically evaluate their surgeries in order to continually improve not only in surgical technique, but also in patient selection and procedure choice. Dr. Shaffrey's talk prompted many insightful questions from the assembled faculty and residents, resulting in an enlightening discussion. Dr. Scott Levin closed the conversation by expressing his thanks for Dr. Shaffrey's visit, and commended him for the unique insight afforded by his dual neurosurgical and orthopaedic training,

his pioneering academic and clinical efforts, and his obvious dedication to patient care.

Dr. Shaffrey then gave a scintillating lecture focusing on the evaluation and management of cervical spine deformity. His talk highlighted several cases of severe kyphosis, and provided a detailed discussion on his approach to these cases beginning with patient evaluation, discussion of patient expectations, and the technical aspects of surgically correcting severe deformities. He emphasized the importance of using surgical intervention as a last resort for clinical symptoms, and that while surgery is a powerful tool, it should always be seriously considered in the context of the overall clinical picture and as part of shared decision making with the patient.

Following the lecture, Dr. Shaffrey hosted the neurosurgical and orthopaedic residents, fellows and faculty in a prosection in the Penn Human Tissue Laboratory. Employing his expertise in orthopaedic- and neurosurgical-based spinal surgery, he approached the cadaveric spine using a lumbar midline exposure and elegantly demonstrated the technique of Smith-Peterson osteotomy followed by pedicle subtraction osteotomy. Throughout the masterful dissection, Dr. Shaffrey commented on proper surgical technique and beautifully exposed the most relevant anatomic structures for spinal surgery. He engaged the questions of the residents, fellows and faculty present, and drew connections between the pathophysiology and treatment options for the adult spine. With greater than sixty orthopaedic and neurosurgical residents in attendance, Dr. Shaffrey spent the remainder of the morning involving the residents in the dissection and he expressed his pleasure with seeing the strong relationship between the two departments, particularly in a setting so conducive to surgical training and collaboration like the Human Tissue Lab.

The University of Pennsylvania Department of Orthopaedics was truly fortunate to have Dr. Christopher I. Shaffrey as a Visiting Professor for a combined lectureship, and the Department looks forward to continued collaboration in the future.



Guest Lecturer: Sigurd Berven, MD

October 30th 2014

Luke A. Lopas, MD



The University of Pennsylvania Department of Orthopaedic Surgery was privileged to host Dr. Sigurd Berven as part of the visiting professor lecture series this past October. Dr. Berven has an impressive resume and wide array of talents and interests. While studying human biology as an undergrad at Stanford University, Dr. Berven was (and remains) a talented athlete,

including the privilege to serve as an alternate for the Olympic rowing team. Following his undergraduate degree, Dr. Berven spent time at Oxford University studying philosophy, politics and economics before obtaining his medical degree from Harvard Medical School. Staying in Boston, Dr. Berven completed his residency training at Harvard before moving west to pursue fellowship training in spine surgery at the University of California—San Francisco (UCSF). Today, he is a Professor of Orthopaedic and Neurosurgery, in addition to directing the resident education program and the spine fellowship at UCSF. In addition to this clearly demonstrated interest in education, Dr. Berven is very active clinically as the director of the combined spine service line, which integrates comprehensive care of the spine, implementing both Orthopaedic and Neurosurgical care. Dr. Berven has clinical interests including pediatric and adult deformity, degenerative conditions of the spine, spinal tumors, and spinal trauma. His research interests include assessing clinical outcomes of surgery and minimally invasive spine surgical techniques.

To kick off the educational morning, Dr. Vincent Arlet began with a formal introduction of Dr. Berven, highlighting his many accomplishments inside and out of academia. Dr. Berven gave two excellent presentations, the first of which was entitled, “Measuring Quality and Value in Orthopaedics and Spine Surgery.” This was a fascinating look into the pitfalls, challenges, and successes of evaluating how we care for the orthopaedic and spine patient. Dr. Berven wisely reminded the audience to maintain “patient centeredness” in our quality based metrics and ultimately concluded that we should measure patient-centered reports of outcomes accounting for risks, costs, and benefits. The second talk of the morning was equally interesting and titled, “Evaluating New Technologies in Orthopaedics.” In this talk, Dr. Berven stressed the importance of practitioners demanding that new technologies demonstrate benefits and added value. He cautioned us against simply adopting new technology without first evaluating this technology in a systematic and critical

way so that new technology is not merely cost generating, but value adding. Both talks were filled with insight, wisdom, and sage advice and provided a wealth of material to contemplate for everyone in the audience.

Following these excellent lectures, Dr. Berven took his expertise to the state of the art Penn Human Tissue Lab for a hands-on demonstration of the direct lateral approach to the spine. First, he gave a brief presentation discussing the appropriate indications, important anatomy, technical challenges, and potential benefits to this approach. The ensuing demonstration of the direct lateral approach to the spine using a fresh frozen cadaver demonstrated not only Dr. Berven’s impressive surgical skill, but his immense knowledge of anatomy and expertise of instruction that comes from a career dedicated to leading and educating in the field of spine care. To take advantage of this tremendous learning opportunity, following the direct lateral approach, we flipped the cadaver and made the incision extensible to an anterior approach to better appreciate the exacting requirements of the surrounding anatomy.

The University of Pennsylvania Department of Orthopaedic Surgery was honored to host Dr. Sigurd Berven as a Visiting Professor. Dr. Berven is truly dedicated to resident education and helping residents find and pursue their passions. His visit highlighted his clinical and education expertise and the Penn Orthopaedic Surgery Department hopes his experience this past October is only the beginning of a fruitful and mutually beneficial collaboration.



Guest Lecturer: Franklin H. Sim, MD

November 6th 2014

Chia Wu, MD



The University of Pennsylvania Department of Orthopaedics was honored to have Dr. Franklin Sim as a guest lecturer on November 6th of 2014. Dr. Sim's story began in a small coal-mining town in Nova Scotia. Born a Canadian, he completed his undergraduate and medical degrees at Dalhousie University in Halifax. Subsequently, he completed an orthopaedic surgery residency

at the Mayo Clinic from 1965-1969, preceded by an internship at the Victoria General Hospital of Halifax.

Although he had many career options, including becoming a professional hockey player at one point, he chose to stay at the Mayo Clinic as faculty from 1971 to the present day - an illustrious career that spans 43 years to date. At the Mayo Clinic, he rose to the rank of assistant professor in 1971, obtained a MS degree in orthopaedic surgery at the University of Minnesota in 1972, and achieved associate professorship in 1974.

He has held many prominent leadership positions and won prestigious awards, which notably include the John Charnley Hip Award, Distinguished Mayo Clinician Award, AOA Distinguished Contribution to Orthopedics Award, and AAOS Diversity Award. As a prolific academician, Dr. Sim has also published more than 300 peer-reviewed articles, nearly 200 book chapters, and nearly 100 non-peered reviewed articles.

Dr. Sim discussed his personal philosophy at length: mentorship and team work. He repeatedly emphasized these two qualities throughout his presentation as the main driver for orthopaedic advancement. Dr. Sim's talk incited many thoughtful questions from the faculty, many of whom had previously crossed path with Dr. Sim professionally. Dr. Gwo-Chin Lee and Dr. Kristy Weber both added comments about how Dr. Sim was instrumental in the development of their careers.

Dr. Sim's lecture focused on the evaluation and treatment of musculoskeletal tumors, and their reconstructive options.

He showcased many interesting and difficult cases, while providing historical perspectives on how the management of the same tumor has evolved over the course of his career. Interestingly, his slides also chronicled important development in tumor surgery, complete with pictures of mentors, protégés, and peers who have all contributed to the subspecialty. He painted a rich tapestry for residents and faculty about the progress and future outlook of orthopedic oncology.

Immediately thereafter, Dr. Sim hosted the orthopaedic residents in the human tissue lab to perform prosections. His masterful dissection was matched only by his insightful commentary. He discussed the most salient approaches to access various structures in the pelvis and how to avoid "alligators," a moniker that he uses to refer to problems that may arise intraoperatively from technical errors. With the majority of the residency present, Dr. Sim spent the rest of the time engaging questions from residents, and drew many connections between anatomy, pathophysiology, and clinical symptoms for the benefit of resident education.

Penn Orthopaedics was truly honored to have Dr. Franklin Sim as a visiting professor on November 6th of 2014, fostering a closer relationship between Penn and the Mayo Clinic.



Guest Lecturer: Ben Kibler, MD

December 4th 2014

Chia Wu, MD



Dr. Ben Kibler was the honored guest lecturer at the University of Pennsylvania Department of Orthopaedics Grand Rounds this past December. Dr. Kibler is a specialist in scapular motion and AC joint pathology at the Shoulder Center of Kentucky. He obtained his medical degree at Vanderbilt University in Nashville, TN, completed his internship at Parkland Hospital

of Dallas, TX, and finished his Orthopaedic Surgery residency at the Vanderbilt Medical Center in 1977. Thereafter, he began his affiliation with the Lexington clinic.

Dr. Kibler is internationally renowned for his research in scapular motion and dyskinesia. He has over 87 publications listed in PubMed on this topic. Although he had many career options, he has dedicated his career to the scientific understanding of shoulder pathology. For his work on aiding athletes return to play, he served as former vice president of the American College of Sport Medicine and United States Tennis Association (USTA) National Sports Science Committee.

Dr. Kibler focused his attention on debunking myths about the scapula in his lecture. He emphasized that the scapula plays a key role in nearly every aspect of normal shoulder

motion, and should be included as a crucial aspect of the shoulder examination. He stated that scapular dyskinesia and AC joint separation are three dimensional problems that often is misconstrued as a 2D problem on plain film. He encouraged residents to recognize that scapular dyskinesia is often associated with rotator cuff disease, shoulder impingement, labral injury, clavicle fracture, and shoulder instability. As such, failure to recognize scapular dysfunction and treating it accordingly will lead to poor outcome.

Dr. Kibler focused the second half of his lecture on AC joint separation and clavicle fractures. Specifically, he discussed the limitation of 2D plain film and its inability to assess displacement in the AP dimension. Furthermore, rotational deformity of the clavicle may be complicated by or compensated by scapular motion. As such, treatment of clavicle pathology traditionally dictated by the Neer Classification may be inadequate. The best outcome can only be achieved by a comprehensive evaluation of the shoulder girdle and a thorough understanding of underlying causes.

In the human tissue lab, Dr. Kibler discussed the importance of ligament reconstruction in the proper surgical treatment of AC dislocation. He states that popular approaches such as using “dog bone” fixation devices are inadequate because it fails to address instability from torn AC ligaments, conoid ligaments, and trapezoid ligaments. This opinion was echoed by our Dr. David Glaser. The reconstruction technique’s critical nature was demonstrated on the cadaveric sample, where residents appreciated the difference in AC joint stability based on the before and after results.

Penn Orthopaedics was truly honored to have Dr. Ben Kibler at Grand Rounds on December 4th, 2014.



Guest Lecturer: Dr. Marco Innocenti

January 22nd, 2015

Alexander L. Neuwirth, MD



The University of Pennsylvania Department of Orthopaedic Surgery was honored to welcome Dr. Marco Innocenti for a unique visit in January. Born and raised in Florence, Italy, Dr. Innocenti graduated cum Laude from the University of Florence in 1981. Subsequently, he completed his Orthopaedic training in 1984 followed by a Hand surgery fellowship in 1987, both at the

University of Florence. In 2004, Dr. Innocenti completed a Plastic Surgery residency at the University of Florence.

Dr. Innocenti currently holds the position of Director of the Plastic and Reconstructive Microsurgery Department at the Careggi University Hospital in Florence. He also serves as an Associate Professor and the Program Director of the Plastic Surgery residency at the University of Florence. Dr. Innocenti's dedication to cutting edge research and medical education is illustrated by his very prolific contribution to the field with over 100 papers in international journals, as well as 12 book chapters. Furthermore, he currently serves as an Associate Editor for the American edition "Journal of Hand Surgery," as well as a reviewer for the "Journal of Plastic Reconstructive and Aesthetic Surgery," and for the European edition of the "Journal of Hand Surgery." As the former president of the

Italian Society for Microsurgery, Dr. Innocenti currently serves as a European Delegate to the ISM, in addition to his multiple memberships in the American Society for Reconstructive Microsurgery, the American Society for Surgery of the Hand and the World Society for Reconstructive Microsurgery.

On Thursday morning, Agnew Grice was filled with faculty and residents from both the Orthopaedic Department and the Division of Plastic Surgery to welcome Dr. Marco Innocenti. Following a warm, heart-felt introduction by Dr. Levin, Dr. Innocenti gave two fantastic lectures on vascularized bone grafts and propeller flaps, demonstrating his world renowned expertise through complex case discussions. Drs. L. Scott Levin, Kristy Weber, Benjamin Chang and Neil Sheth actively participated in the discussion, sharing their respective areas of expertise while addressing the subtleties of the unique cases being presented.

Thereafter, Dr. Innocenti took the residents through a masterful surgical dissection in order to demonstrate his propeller flap technique while engaging his audience and answering many questions on anatomy, surgical indications, and his own unique experiences.

The Department of Orthopaedic Surgery at the University of Pennsylvania was honored to have Dr. Innocenti as a visiting professor on January 22nd, 2015. Dr. Innocenti's visit demonstrated, once again, the spectacular collaboration at Penn between the Department of Orthopaedic Surgery and the Division of Plastic Surgery.

Leo Leung Memorial Lectureship

January 29th, 2015

Guest Lecturer: Tamara Rozental, MD

Kristin L. Buterbaugh, MD



The University of Pennsylvania Department of Orthopaedics was honored to welcome Dr. Tamara Rozental for its 9th annual Leo Leung endowed lectureship this past January. Dr. Rozental serves as Associate Clinical Professor in the Department of Hand and Upper Extremity Surgery at Beth Israel Deaconess Medical Center in Boston. She graduated from the University of Pennsylvania Orthopaedic Surgery residency program in 2007. Following residency she completed a hand and upper extremity fellowship at the Brigham and Women's Hospital in Boston. A rising star in the field, she is the recipient of the prestigious 2014 Sterling-Bunnell Traveling Fellowship for her early academic contribution to hand surgery through NIH-funded research in osteoporosis and distal radius fragility fractures. In addition, she serves

as an Associate Editor for the *Journal of Hand Surgery*.

This lectureship was established in memory of Dr. Leo Leung, an orthopaedic surgery resident at University of Pennsylvania from 1998-2002. Dr. Leung passed away suddenly during his chief year of residency in 2002. His mentors and colleagues founded the lectureship to honor his commitment and dedication to hand surgery, education, patient care, and research. Inviting Dr. Rozental to give the annual Leo Leung lecture was particularly fitting, as she knew him well during her residency. She recalled his steadfast dedication to patient care and unflappable demeanor. He was affectionately known as "Leo the Lion" and "The Iron Leung" for his extraordinary work ethic and unrelenting commitment to the residency program.

Dr. Rozental's visit began with an evening at the Philadelphia Hand Club with nearly 85 people in attendance. There she spoke about her experience with the Boston bombing to a captivated audience that included Philadelphia area attendings, fellows, residents, physical therapists and physician extenders.

The following morning at Grand Rounds Chairman L. Scott Levin, MD had the pleasure of welcoming Dr. Rozental back to Penn, noting that this lectureship was her first visit back

since graduation from her Orthopaedic residency at Penn. He highlighted her superb reputation as a resident, as well as her work ethic and leadership abilities—qualities that made her the recipient of the William Bora award while at Penn and inspired her to become a hand surgeon. Dr. Rozental referred to her visit as a "coming home," remarking that she grew up as an orthopaedic surgeon among these four walls. She began her presentation with photos of her co-residents and attendings in the OR during her years at Penn, noting that she has kept in close contact with her classmates and remains thankful for her time at Penn.

Dr. Rozental's first lecture focused on fragility fractures of the distal radius. Much of her research efforts have tackled osteoporosis as a major public health problem, and the morbidity associated with distal radius fractures in the osteoporotic patient. Her publications have affected the practice of hand surgeons nationally in her promotion of early screening for osteoporosis after a distal radius fracture and prevention of subsequent fractures in both the female and male osteoporotic patient. Her talk was followed by an engaging question and answer discussion on osteoporosis screening practices and role of the orthopaedic surgeon in pursuing them.

In her second lecture, "The Boston Marathon Bombing: a Hand Surgeon's Perspective," Dr. Rozental gave a stirring account of her experience at Beth Israel following the 2013 terrorist attack. She reflected on the immense coordination, man-power and teamwork that it took to run 10 ORs emergently on a holiday in order to triage the severe orthopaedic injuries that day. In particular she spoke of the outflow of support from across the country and the unique relationship that she developed with her patients injured by the bombings, who supported her as she crossed the finish line at the 2014 Boston Marathon.

The University of Pennsylvania Department of Orthopaedics was truly fortunate to have Dr. Tamara Rozental MD as the Leo Leung Endowed Lectureship Visiting Professor, and we look forward to continued collaboration in the future.



Guest Lecturer: Stuart L Weinstein, MD

February 5th, 2015

Tyler R. Morris, MD



The University of Pennsylvania Department of Orthopaedic Surgery was honored to welcome Dr. Stuart Weinstein, the Ignacio V. Ponseti Chair and Professor of Orthopaedic Surgery and Pediatrics at the University of Iowa, as a visiting professor this past February. Dr. Weinstein is one of the true giants of the field, having served as president of the AOA, ABOS, AAOS, and POSNA. After

graduating from University of Washington School of medicine, Dr. Weinstein spent the entirety of his orthopaedic career at the University of Iowa, a career that spans five decades. As one of the leaders in the field of Pediatric Orthopaedic Surgery, Dr. Weinstein has an overwhelming resume and wide array of talents and interests. He has published numerous articles, chapters, and books with a focus on pediatric spinal deformity, children's hip and foot problems, and the natural history and long-term outcome of pediatric musculoskeletal conditions. He has remained involved in the national organizations that govern orthopaedic surgeons and is the current Chairman of the Orthopaedic Political Action Committee.

To begin his enlightening visit, Dr. L. Scott Levin began with a formal introduction of our speaker, highlighting his many accomplishments inside and out of academia. Dr. Kristy Weber, a former resident of Dr. Weinstein's, then introduced him with several anecdotes of his effect on her life and career. Dr. Weinstein then proceeded to give two fantastic presentations, the first of which was entitled, "*DDH: What I Have Learned*

over the Last 39 Years." Drawing on his wealth of personal experience, Dr. Weinstein detailed the pitfalls, challenges, and successes of how we care for the patient with Developmental Dysplasia of the Hip, and how it has changed over the years.

The second talk of the morning was as unique as it was enlightening, "*Advocacy: Why is it Important?*" As the current Chairman of the Orthopaedic Political Action Committee, Dr. Weinstein was able to give us an inside view of the workings of the Orthopaedic PAC and its role in advocating for orthopaedic surgeons with the government. With a thorough history of the Orthopaedic PAC's contributions to the field and its members, he illustrated the importance of being involved in health care policy and the coming changes that would be affecting all orthopaedic surgeons. His personal expertise and role in the national spotlight were on display, affording the audience an exclusive inside look at the national debate that is shaping health care policy.

Following these lectures, Dr. Weinstein met with the residents to go over cases and provide his unique expertise on pediatric surgical cases. In this personal setting, Dr. Weinstein walked the audience through his approach to several complicated pediatric cases. His experience was on display as he took residents through the appropriate workup, treatment and follow up of both common and rare conditions, showcasing a surfeit of expertise that comes from a long and illustrious career in the field of spine care.

The University of Pennsylvania Department of Orthopaedic Surgery was honored to host Dr. Stuart Weinstein as a Visiting Professor this year. His visit was both an honor and a privilege for the department, and we hope his presence is only the start of a successful and mutually beneficial relationship.

10th Annual Raymond G. Tronzo Lectureship

March 5th, 2015

Guest Lecturer: John Callaghan, MD

Alexander L. Neuwirth, MD



It is with pride and honor that the University of Pennsylvania Department of Orthopaedic Surgery welcomed Dr. John Callaghan, the Lawrence and Marilyn Dorr Chair of the Department of Orthopaedics and Bioengineering at the University of Iowa to celebrate the Tronzo lectureship.

The Tronzo lectureship was founded in 2003 by Dr. Raymond Tronzo and his wife

Diana with the goal of establishing a forum for faculty and resident education on novel arthroplasty concepts. Dr. Tronzo, a native of Punxsutawney, PA graduated with a BS and an MA from Penn State University. After graduating from Jefferson Medical College, he completed his orthopaedic residency at the Philadelphia General Hospital under the mentorship of Dr. Anthony DePalma and Dr. John Royal Moore. Dr. Tronzo joined the staff at the University of Pennsylvania Department of Orthopaedic Surgery in 1968. Dr. Tronzo's accomplishments include the first surgical textbook dedicated to the hip titled "Surgery of the Hip Joint," as well as the Tronzo prosthesis, which pioneered press fitting and the concept of cementless biologic fixation. Dr. Tronzo was known at Penn for his surgical talent as well as his insatiable desire to teach, which is still illustrated today by the lectureship he developed.

Dr. Callaghan was an obvious choice for the 10th Annual Raymond G. Tronzo Lectureship. A graduate of the University of Notre Dame in South Bend (IN) and Loyola Medical School in Chicago (IL), Dr. Callaghan completed his orthopaedic residency at the University of Iowa. He subsequently went on to pursue a fellowship in hip and knee arthroplasty at the Hospital for Special Surgery. A world-renowned researcher, Dr. Callaghan has authored or co-authored nearly 300 peer-reviewed publications in addition to numerous honors. A respected and admired surgeon, he has been elected to many leadership roles including President of the American Academy of Orthopaedic Surgeons, the American Association of Hip and Knee Surgeon and the Hip Society as well as chair of the OREF amongst many other leadership roles. His dedication to advancing his field and teaching his colleagues has been evident throughout his career, and it was once again illustrated during his talks.

On Thursday morning, Dr. Callaghan began with a captivating lecture on the debated topic of mobile bearing use in total

knee arthroplasty. Dr. Callaghan presented an immense body of data as well as his esteemed opinion on the topic leading to a highly educational faculty discussion at the conclusion of his first talk. Dr. L. Scott Levin then proceeded to deliver a heartfelt introduction, highlighting the tremendous contributions of Dr. Callaghan, while also sharing the Department's gratitude for his military service. Dr. Callaghan's second lecture gave an amazing historical perspective on total hip arthroplasty. Following a remarkable homage to Sir John Charnley, Dr. Callaghan focused on the evolution in implant designs and associated outcomes since the original Charnley implant. Doctors Paul Lotke, Charles Nelson, Craig Israelite, Gwo-Chin Lee and Neil Sheth led the discussion that followed with many insightful questions.

Following the lectures, Dr. Callaghan hosted the faculty and residents at the Human Tissue Lab to demonstrate his approach for the Extended Trochanteric Osteotomy via a posterior exposure. His passion for teaching was evident throughout the prosection, as he exposed tips and tricks with the residents for every aspect of the surgical dissection from careful skin handling to management of the short external rotators and his technique for the osteotomy and its repair. The prosection concluded with several questions from residents and faculty during which Dr. Callaghan shared his wealth of knowledge and experience to the captivated audience.

The University of Pennsylvania Department of Orthopaedic Surgery was honored to invite Dr. John Callaghan, as the tremendous academic discussions sparked by his thought-provoking lectures and prosection were the ideal way to honor Dr. Raymond G. Tronzo's vision for his lectureship.

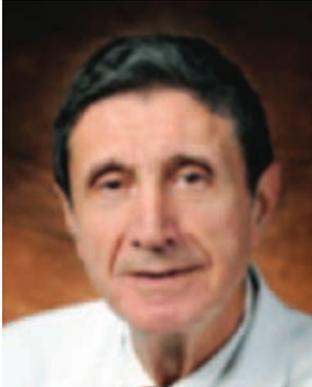


15th Annual Dr. Ernest J. Gentchos Lectureship

April 2nd, 2015

Guest Lecturer: William Levine, MD

Tyler R. Morris, MD



The University of Pennsylvania Department of Orthopaedics was honored to welcome Dr. William Levine for the 15th annual Dr. Ernest J. Gentchos Lectureship this past April. Dr. Levine performed his Orthopaedic residency at New England Medical Center, and completed fellowships at Columbia-Presbyterian Medical Center (Shoulder and Elbow Surgery) and the University

of Maryland (Sports Medicine), as well as serving as an ASES traveling fellow in 2003. As one of the leaders in the field, Dr. Levine has published numerous articles, chapters, and books on sports and shoulder & elbow surgery, and is currently involved in numerous clinical projects. Dr. Levine's commitment through education and leadership roles has led to countless contributions in advancing the field of orthopaedic surgery. He is on the Board of Directors of the American Board of Orthopedic Surgery and serves as Deputy Editor for the Journal of the American Academy of Orthopedic Surgeons. He is also the head team physician at Columbia University. At Columbia University College of Physicians and Surgeons, Dr. Levine served as Program Director from 2002 to 2014, at which point he was appointed as the Frank E. Stinchfield Professor and Chairman of Clinical Orthopaedic Surgery.

The Ernest J. Gentchos Lectureship is a proud tradition at Penn Orthopaedics established in 2001 to honor the innumerable contributions of our own Dr. Ernest Gentchos. Born and raised in a village of Northern Greece, Dr. Gentchos attended medical school at the St. Louis University School of Medicine. Upon graduation, he served in the medical battalion with the US Army Air Cavalry Division during the Vietnam War, and then completed his residency training in orthopaedic surgery at the University of Pennsylvania. He elected to stay on as faculty, advocating that superior patient care relies on studying one's patient, keeping an open mind, and challenging every idea. In addition to his countless academic achievements and clinical contributions, Dr. Gentchos carried his humanitarian passions outside the realm of medicine, through his establishment of several endowed scholarship. Dr. Gentchos sponsors several medical school, college, and high

school students, and maintains that the greatest gift you can give anyone is that of education. With an ever-present thirst for knowledge, Dr. Gentchos' mantra of "What did you learn today?" serves as a reminder that we are forever students in both Orthopaedics and life. In dedication to his unyielding enthusiasm for learning, teaching, and serving the orthopaedic community, the Penn Orthopaedic family was proud to host Dr. Levine as our 15th annual Gentchos Visiting Professor.



The morning began with introductions by Drs. David Glaser and L. Scott Levin. With Dr. Gentchos in the front row, the legacy of the lectureship was detailed and Dr. Levine was formally welcomed to the podium. Dr. Levine began the morning with a lecture entitled "*How to be a Successful Resident.*" With input from his own institution, our faculty and countless leaders and residents around the country, he elucidated what it takes to succeed as a young Orthopaedic trainee. Having prepared a talk tailored not only to Orthopaedics but the University of Pennsylvania community, Dr. Levine hosted an interactive forum with the faculty and residents detailing the path to personal and professional success. He focused on personal qualities that must be fostered in the workplace, including integrity, hard work and superior communication skills. With input from the majority of the faculty present, he was able to showcase what he's learned in the course of his career, as a resident, faculty member, Program Director and Department Chairman.

Dr. Levine then took the opportunity to detail his thoughts of the field of Orthopaedics itself with a lecture entitled "*Orthopaedic Education 2020: Challenges and Opportunities.*" With the majority of the faculty and residents present, Dr. Levine detailed the changes in our field in the past 15 years and the breakneck speed at which changes are occurring, expected to only increase in the next five years. With emphases on resident training milestones, physician reimbursement and duty hour restrictions, he advocated for validated training models and the improvements needed to prepare the next generation of Orthopaedic Surgeons.

Following the lectures, Dr. Levine hosted the residents, fellows and faculty in a prosection in the Penn Human Tissue Laboratory. Beginning with an arthroscopic approach to the shoulder, he demonstrated common techniques and lectured on the myriad approaches and procedures possible from the lateral decubitus position. He then took the group through his preferred method of an open Latarjet procedure, employing the latest surgical techniques in the field and debating the merits of open vs arthroscopic approaches. After the commencement of clinical duties, Dr. Levine then met

with several faculty members, including Dr. Lou Soslowsky, Director of the McKay Orthopaedic Research Laboratory, and Dr. L. Scott Levin, Chairman of the University of Pennsylvania Department of Orthopaedics, culminating in a tour of the Penn Musculoskeletal Center.

The University of Pennsylvania Department of Orthopaedics was truly fortunate to have Columbia University's Chairman Dr. William Levine as a Visiting Professor for the 15th annual Ernest J. Gentchos lectureship, and we greatly anticipate future collaboration between our departments.



Full List of Visiting Professors

4/24/14

Dr. Andrew Burgess (University of Texas Houston, Trauma)

Lectureship: 2014 Dr. Clifford Turen Memorial Lectureship

Topics: Crash Research and its Effects on Orthopaedics;

Pelvic Fractures: Acute Management

Dissection: Fasciotomies: Fine Points

6/12/14

Dr. Alison Toth (Duke, Sports)

Lectureship: 2014 Dr. Gentchos Lectureship

Topics: Biologic Targeted Treatment in Orthopaedic Surgery;

Tendon Reconstruction Using Grafts

Dissection: Shoulder Arthroscopy: Rotator Cuff

Reconstruction Using Grafts

6/26/14

Dr. Howard An (Rush, Spine)

Lectureship: 2014-2015 Visiting Professor Lecture Series, AOSpine

Topics: Surgical Management of Cervical Radiculopathy & Myelopathy; Lumbar Spine Disorders: Current Treatment and Basic Science Research

Dissection: Posterior Cervical Laminectomy, Fusion, Laminoplasty

7/24/14

Dr. James Nunley (Duke, F&A)

Lectureship: 2014 June C. Wapner Memorial Lectureship

Topics: Athletic Stress Fractures of the Foot & Ankle; With So Many Total Ankles, How Do I Decide What to Use?

Dissection: Anatomy of the Hindfoot

10/2/14

Dr. Christopher Shaffrey (University of Virginia, Spine)

Lectureship: 2014-2015 Visiting Professor Lecture Series, AOSpine

Topics: When Does Lumbar Disease Become Spinal Deformity?; Evaluation and Management of Cervical Spine Deformity

Dissection: Principles of Spine Osteotomies: Simple to Complex

10/30/14

Dr. Sigurd Berven (University of California San Francisco, Spine)

Lectureship: 2014-2015 Visiting Professor Lecture Series, AOSpine

Topics: Measuring Quality and Value in Orthopaedics and Spine Surgery; Evaluating New Technologies in Orthopaedics

Dissection: Direct Lateral Approach to the Spine

11/6/14

Dr. Franklin Sim (Mayo Clinic, Tumor)

Lectureship: 2014-2015 Visiting Professor Lecture Series

Topics: Advances and Challenges in Musculoskeletal Oncology; New Concepts in the Treatment of Sacropelvic Tumors

Dissection: Anatomic Dissection of the Pelvis and Sacrum

12/4/14

Dr. Benjamin Kibler (Kentucky, Sports)

Lectureship: 2014-2015 Visiting Professor Lecture Series

Topics: Acromioclavicular and Clavicle Injuries; The Role of the Scapula in Shoulder Injuries

Dissection: Anatomic Acromioclavicular and Coracoclavicular Ligament Reconstruction

1/22/14

Dr. Marco Innocenti (Italy, Hand & Microsurgery)

Lectureship: 2014-2015 Visiting Professor Lecture Series

Topics: Vascularized Bone Grafts for Reconstruction; Propeller Flaps

Dissection: Open Demonstration of Lower Extremity Gastrocnemius and Propeller Flaps

1/29/15

Dr. Tamara Rozentel (Harvard, Hand)

Lectureship: 2015 Dr. Leo Leung Memorial Lectureship

Topics: Distal Radius Fractures; The Boston Marathon Bombing: A Hand Surgeon's Perspective

Dissection: Open Demonstration of Distal Radius and Radial Head Fixation

2/5/15

Dr. Stuart Weinstein (University of Iowa, Pediatrics)

Lectureship: 2014-2015 Visiting Professor Lecture Series

Topics: DDH: What I Have Learned Over the Last 39 Years; Advocacy: Why is It Important?

Case Presentations: Pediatric Hip and Spine Disorders

3/5/15

Dr. John Callaghan (University of Iowa, Joints)

Lectureship: 2015 Tronzo Lectureship

Topics: Mobile Bearing TKA; Why Did We Leave the Charnley THA?

Dissection: Extended Trochanteric Osteotomy

4/2/15

Dr. William Levine (Columbia University, S&E)

Lectureship: 2015 Dr. Gentchos Lectureship

Topics: How to be a Successful Resident; Orthopaedic

Education 2020: Challenges and Opportunities

Dissection: Arthroscopic Shoulder Instability Repair with Open Latarjet