

UCDAVIS HEALTH SYSTEM

Celebrating 40 years of service

A View from the Chair's Corner

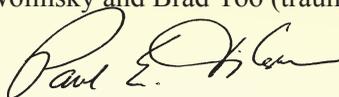
Our teaching mission is crucial to the success and development of our Orthopaedic program. A component of this mission is fostering an environment where residents can receive stellar education from members of the UCD community.

As part of our residency accreditation review last December, we requested from the ACGME a permanent residency allocation increase, expanding our residency from 4 to 5 permanent slots per year. We submitted our justification for this pivotal expansion and await the review of the RRC Orthopaedic Committee scheduled to meet in January 2010. Our understanding is that we will be able to begin this expansion with our entering intern class in June 2010. This would be an exciting success for our program and one we are prepared to receive. Our residency program continues to remain competitive.

This past October we had 400 applicants compete for 4 resident positions. After utilizing the applicant filter, just over 200 applicants were reviewed by hand by two members of our faculty or administrative chief residents. A scoring grid was utilized to help alleviate subjectivity and develop a rank list. If there was a significant discrepancy between the two reviewers, a third review was conducted. Applicants reviewed received a mean score and the top candidates were invited for interview.

Our 48 interviews are scheduled for January 11 and 19, 2010. Each day begins with grand rounds and a tour of the hospital. There are 6 interview rooms; one administrative chief resident room, and five faculty rooms where the candidate is interviewed by two, rotating from room to room. At the end of the sessions, 10 faculty and 2 administrative chief residents convene to determine the rank order.

I look forward to meeting our resident applicants in a couple of weeks. I would also like to extend a thank you to the faculty and chief residents that are participating in the interview process with me this year: Drs. Randall Farac and Jaspaul Gogia (administrative chief residents), Munish Gupta and Rolando Roberto (spine), Cassandra Lee and Kirk Lewis (sports medicine), Debra Popejoy (pediatrics), Hari Reddi (research), Robert Tamurian (oncology), and Philip Wolinsky and Brad Yoo (trauma).



Paul E. Di Cesare, MD, FACS
Michael W. Chapman Endowed Chair

Note worthy Accomplishments



Rolando Roberto, MD recently had his work "Kinematic Effects of Decompression in Conjunction with Cervical Disc Arthroplasty in a Spondylotic Spine Model" accepted for publication in SPINE.

Robert Tamurian, MD, was selected by the Faculty Forward Task Force to be the recipient of an incentive voucher worth \$2000 toward his professional development.

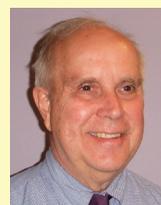


Safdar Khan, MD, received a \$5000 award from AO North American for his research project: "Are Saline Arthrograms Useful in Evaluating Periarticular Lacerations Around the Elbow? A Cadaveric Analysis."



History of the Department

*continued from Fall 2009 newsletter
by Dan Benson, MD*



In the early days, Dr. Lipscomb had been elected Secretary of the American Board of Orthopaedic Surgeons and then president, so he'd fly to Chicago every month for his meeting. Dr. Lipscomb was a brilliant and world famous orthopaedic surgeon, who treated each of us as if we were his own special offspring. His mentoring was firm and demanding, yet when necessary he was kind and gentle. We learned how to be doctors first, and then young orthopaedic surgeons. Together, with his wife Phyllis, he hosted the staff, residents and their families each year at Christmas in their home. It was the highlight of the year and brought the department together in a way that could never be duplicated.

Jim Garrick left for the University of Washington and was replaced by Bob D'Ambrosia, a recent graduate of the Pittsburgh Orthopaedic Residency Program. Our first hand surgeon was Bob Chuinard. When he left, John Agee, a brilliant thinker and great surgeon took his place. Then came Norm Poppen, then Bob Szabo.

Total Joint surgery was in its infancy. Dr. Lipscomb had one of the original licenses to use methyl methacrylate, the cement used by Charnley to fix the hip replacement to the pelvis and the femur. Many local orthopaedists spent time with Dr. Lipscomb

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History of the Department (continued)



Department of Orthopaedics in 1983

to learn his “new technique.” Our first joint surgeon was Hiro Shoji, a Japanese doctor who built the adult joint replacement service. In 1976, Dr. D’Ambrosia was selected to chair the Orthopaedic Department at Louisiana State University in New Orleans; he took Drs. Chuinard and Shoji with him, leaving the department a bit naked. Dan Benson had started a spine service in 1974 and George Rab came in 1976 to do general ortho and some adult reconstruction. Irv Raphael was our interim joint replacement surgeon until he left for Syracuse and was replaced by Bill Barger. When Bill left for private practice, a number of surgeons attempted to fill his shoes, including Ken Trauner in 1997 and John Meehan, who finished his residency

in Davis in 1996 and trained in total joints in Boston, then returned in 1998 as the Chief of the Adult Reconstructive Service. He was joined in 2003 by Amir Jamali and finally by Paul Di Cesare in 2006.

Sports Medicine is now headed by Rick Marder, who is also the Kings basketball doctor. Eric Heiden and John Raskind were former sports faculty, but have since moved on. Juan Rodrigo, former doctor for the Kings and Triple-A River Cats, then a total joint specialist, now practices at the Steadman Clinic in South Carolina. Laura Timmerman, a former faculty member, now practices in the Bay area. Dr. Marder’s associates are Kirk Lewis, James Van den Bogaerde, and very recently, Cassandra Lee. Their clinic is on J Street near Sutter General Hospital.

Dr. Riggins was the primary pediatric specialist, although he was also our premier general orthopaedist. Trained at Campbell Clinic in Tennessee, he spent time at NIH before coming to Davis. Dick Riggins organized the laboratory which was originally on the Davis campus.

(To be continued in the next edition)

Friends Without a Border

- Peter Salamon, MD, Clinical Professor of Pediatric Orthopaedic Surgery,

I recently returned from Siem Reap, Cambodia, where I worked at the Angkor Hospital for Children. The trip was arranged through Orthopaedics Overseas. The hospital was founded and is supported by *Friends Without a Border*, a foundation based in the US and Japan. All care provided is free of charge. The hospital is small and reminiscent of hospitals in the US 50 years ago. The children and parents stay together. There is a single operating room. The three surgeons are very talented, but lack subspecialty training. They take care of all surgical problems, not just orthopaedics. They have no formal residency training and lack sophisticated equipment, but they are very skilled. They learn a great deal from the volunteers in all surgical fields who come to help. I was made to feel very welcome. I was especially gratified to have the opportunity to teach surgical skills that will immediately be put to use.

I treated a variety of problems that are not often seen in the US. This included

old land-mine wounds, chronic osteomyelitis, and other congenital deformities. Anesthesia is first-rate. All cases were done under general anesthesia, but regional blocks were used for postoperative pain control. The turnover time was faster than any place I have ever worked.



Siem Reap is the site of World Heritage area of Angkor Wat. This was the center of the Khmer civilization from 1000 years ago. The architectural structures are extremely well-preserved and amazing to see.

The experience was fascinating, gratifying and uplifting. I would highly recommend this type of experience to orthopaedic surgeons in any level of training and hope that in the future, we can include this as part of our residency training. Stay tuned for my next grand rounds (date TBA).

LIPSCOMB LECTURESHIP

The second lecture of the Lipscomb Lectureship series was held on Wednesday, December 2 at Shriners’s Hospital for Children. Dr. Marc Safran, Professor of Orthopaedics at Stanford University gave an instructive talk on hip arthroscopy, that was attended by UC Davis residents and faculty, as well as community orthopaedists.

Dr. Safran, a nationally recognized hip arthroscopist, shared many technical pearls on hip arthroscopy that proved valuable to those who attended.

The next Lipscomb Society event will be the annual reunion at the AAOS meeting in New Orleans.

Meet the ACC Surgery Coordinators



My name is **Wandaella Ruiz** and I have been with UCD for just over two years; all of that time in the department of Orthopaedics. I have been in the medical field since 1999, where

I worked as an MA in several pediatric offices prior to coming to UCD. I began here as a new patient coordinator, but in March 2009 I transitioned to a surgery coordinator for Trauma, Hand, Oncology, Mercy San Juan and Mercy General Hospitals. I find my job here to be both challenging and rewarding, and I’ve learned that the ever changing surgery schedules require flexibility and tolerance.

I have four children, and a 2 1/2 year old grandson and a granddaughter due in March.



My name is **Priye Darshni** and I joined UC Davis Orthopaedics as a MOSC Per Diem in February 2007; two months later I became a discharge coordinator, and by the end of the

year I had moved to MOSC III, specializing in worker’s comp and disability. When the clinic was redesigned, I became a surgery coordinator, scheduling for the Joint, Sports, Foot, and Pediatric providers. I find my job here to be very challenging and rewarding, and my work mates to be very helpful.

MORE AWARDS

Synthes has awarded our **residency program** \$35,285 for course tuition, travel and lodging expenses, textbooks and AAOS OITE cds.

Paul DiCesare, MD, was awarded funds to travel to Spain, where he was an invited guest lecturer at the University of Malaga in early October.

Christopher Kruelen, MD, was awarded funds to support travel to the AO Foot and Ankle Course in Las Vegas in mid October.

Stryker awarded \$7908 to residents **Tom Antkowiak, Derek Amantullah, Raj Kullar** and **Eddie Shin** for travel to the OTA Comprehensive Fracture Course.

Spotlight on

THE LAWRENCE J. ELLISON MUSCULOSKELETAL RESEARCH CENTER

by David Fyhrie, PhD, Director

The Orthopaedic Research Laboratories are the primary site for research for our department, located on the second and third floors of the "Research One" building at 4635 2nd Avenue.



The laboratory includes seven large "wet" biology rooms with associated support rooms, and several "dry" rooms for machining and implant construction, biomechanical testing and the necessary office space for faculty and students. A key player here is Mr. Shane Curtiss, who facilitates many of the animal research and biomechanical projects and who teaches the microsurgery course.

Our senior research faculty are Dr. Reddi and Dr. Fyhrie, who hold the Lawrence J. Ellison and David Linn chairs, respectively. Dr. Reddi jointly operates the Regeneration Lab with Dr. Di Cesare. Their goal is to discover the means to regrow cartilage lost to disease. Dr. Fyhrie works primarily on osteoporosis research, using his NIH funding to support PhD students who are studying the effect of aging on bone matrix strength.

Joining us this year were Sunny Kim, PhD, as Assistant Professor, Dominik Haudenschild, PhD, as Assistant

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Introducing a couple of our valued volunteers.....

David Bovill, MD



Time flies. Twenty years ago, as I was finishing my residency at UCSF, Mike Chapman suggested I consider joining South Sacramento Kaiser Permanente.

He said it was a strong young department with Dave Manske already embedded there and two other UCD residents, Chris Sweeny and Jim Sehr, heading there. It was a good fit, and it helped to connect me with UCD Orthopaedics.

Grand rounds were more informal then and Paul Lipscomb was still often in attendance. I remember Mike Chapman introducing me at my first grand rounds, as I tried to sit unnoticed in the back, by asking how I would treat a complex elbow fracture he was presenting. As the years have passed, I've enjoyed my collegial association with the department and consider it a cornerstone for my own "life long learning."

Tips of the trade gathered from the excellent faculty have helped shape my practice. Early on, Jay Rodrigo helped fine tune my total joint care. George Rab gets quoted more than Shakespeare by my partners. Dave Moerhing helped me with my trauma care and shooting pool. Dan Benson has kept us all well grounded in medical and departmental history.

As a VCF, I have been given an opportunity to "give back." Moreover, the med students and residents who rotate with us share their collective knowledge and experiences, and I think overall cause positive mutations in our practice and behavior.

Time flies, but not as well as our golf balls did last summer, at the 1st Annual UCD Orthopaedic Golf Tournament, organized by Jaspaul Gogia. Luckily, paired with Rick Marder, we beat the Kruelen/Bromfield pair on the last hole, last putt. I did hear rumors, though, that they missed on purpose. I doubt that, given the high quality and competitive residents this program spawns.

Rick Goldberg, MD



Shortly after my arrival in Sacramento in August 1978, I joined the clinical faculty at UCD and remained on the staff until 1992. My practice became very busy and I left the clinical staff. Four years ago, Dr. Szabo, silver-tongued devil that he is, convinced me to again become active. I have felt very fortunate to again be involved in the hand surgery clinic. In addition to the good feeling you have knowing that you are giving back, I feel that I learn as much as I teach. Working with bright, enthusiastic young physicians is a wonderful counterpoint to some of the negative circumstances our profession faces today.

Being in charge of the scheduling for the volunteer faculty hand clinic has also been rewarding from the standpoint of dealing with my peers. With rare exception, asking someone to join the clinical faculty and staff a clinic has been met with cooperation and enthusiasm.

Although I have been thanked for my involvement as a volunteer faculty, it is I who should say thank you for the opportunity I have been given.

*To all of our dedicated volunteers...
a great big
Thank you!*

Save the date! Lipscomb Alumni Society Reception

March 11, 2010
6:00 - 7:30 pm
in the

5 FIFTY 5
in the
Marriott

on the edge of the
French Quarter

For more information contact
Susan Lutman at 916.734.5885

Spotlight on the MUSCULOSKELETAL RESEARCH CENTER

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Professor in Residence, Jasper Yik, PhD, as Adjunct Assistant Professor and in early 2010, Blaine Christiansen, PhD, as Assistant Professor in Residence.

Dr. Kim is expert in epidemiology and is working currently on a joint registry. She joins us from Florida International University, where one of her projects was working on the epidemiology of knee replacement. When interviewed by Amednews.com, she said, "The demand is exploding. Are we ready as a nation? I don't think so." Her research here will aim at helping us prepare.

Dr. Haudenschild is expert in musculoskeletal cell biology. He works with Drs. Di Cesare and Reddi on tissue regeneration projects, but his particular interest is the mechanobiology of cartilage. He is building specialized mechanical loading and imaging equipment to study simultaneously the mechanical deformation and physiological reaction of chondrocytes to mechanical

loading. Mechanobiology marries the mechanical and biological sciences in a way that strongly supports collaboration.

Dr. Yik came to our department as a visiting postdoctoral scholar from UC Berkeley. He works directly with Dr. Di Cesare to understand the cell biology of the molecule COMP (cartilage oligomeric matrix protein) and its expression in health and arthritis. The goal is to determine the basic physiology of this important molecule (it is part of the system that forms the collagen fibers of cartilage) and also to determine whether changes in COMP expression affect the formation or degradation of cartilage during arthritis.

Dr. Christiansen is a biomedical engineer trained at Washington University and is currently in a postdoctoral position at Harvard Medical School. He will develop his own program in bone adaptation and work with clinicians to develop and perform biomechanical research projects.

A highlight of our research program is the Denny and Jeanene Dickenson Resident Research Fellowship. Last year's fellow, Dr. Susan Tseng,

worked closely with Dr. Mark Lee to improve the healing of long bone fractures. Using an animal fracture non-union model developed here in the Ellison Center, Drs. Tseng and Lee worked to improve the use of stem cells and implanted growth factors to heal these refractory fractures. This year's fellow, Dr. Derek Amanatullah is working closely with Dr. Haudenschild to build mechanical loading systems to stimulate living cartilage cells.

Our students and fellows have been successful in the past year in obtaining three large (50%) salary fellowships and numerous small grants from the Orthopaedic Research and Education Foundation and from other sources. Clinical biomechanical research was also successful in obtaining funding from corporate sources.

The laboratory is open to all members of the department. There are currently projects underway initiated by Drs. Di Cesare, Giza, Gupta, Klineberg, Roberto, Szabo, Yoo and others. All faculty and residents are welcome to work in the laboratory and collaborate with the students and faculty.

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Please let us know how we can communication with you electronically, by sending your e-mail address to orthowebmaster@ucdavis.edu *Thank you!*