Message from the Chair

On March 17th, in celebrations that took place simultaneously at medical schools across the country, more than 16,000 U.S. medical school seniors found out where they will be spending the next three-to-seven years of residency. This year’s match was the largest in the history of the National Residency Match Program (NRMP), a not-for-profit corporation established in 1952.

Match Day is a national event conducted annually by the NRMP. The Match uses a computerized mathematical algorithm to align the preference of applicants with the preferences of the residency programs in order to fill the residency training position available at U.S. teaching hospitals.

According to the NRMP data, dermatology, orthopaedic surgery, otolaryngology, plastic surgery, radiation oncology, thoracic surgery, and vascular surgery were the most competitive fields. At least 90% of those positions were filled by U.S. medical seniors. Of the 670 open positions for orthopaedic surgery, only two were unfilled.

The UC Davis Department of Orthopaedics would like to congratulate and welcome the newest members to our residency program, the 2011-2012 PGY-1 class! We had an especially strong applicant pool this year. We received approximately 400 applications and interviewed 48 applicants for our 5 spots; we once again matched our top choices from many distinguished medical schools.

Paul Di Cesare, MD
Professor and Chair

Save the Date!

RESIDENT AND FELLOW SYMPOSIUM AND GRADUATION
JUNE 16, 2011
Evening grand rounds with guest speaker
JUNE 17, 2011
Graduation symposium
Graduation dinner at the Sutter Club Downtown Sac
Welcome New Staff!

INTRODUCING RAKESH DONTHINENI, MD
OUR NEW ORTHOPAEDIC ONCOLOGIST

Dr. Donthineni earned his MD degree from University of Wales College of Medicine, Cardiff, UK, and completed his orthopaedic residency with University of California, San Diego, CA. He returns to the UC Davis Health System after helping to develop the Orthopaedic Oncology division from 2003 to 2006. He will be providing clinical care to orthopaedic patients and assisting in the teaching of orthopaedic trainees.

To schedule a medical appointment, please call the ACC Orthopaedic clinic at 916.734.2700.

INTRODUCING OUR NEW ANALYST

Jackie Dalke will be managing our department website, purchasing and the Lipscomb and Orthopaedic Surgery Grand Rounds Series. She earned her degree in Health Services Administration from California State University Chico.

Spotlight: Physicians for the Sacramento Kings

The average NBA basketball player stands at 6 feet 7 inches tall and 225 pounds. He sprints and bursts his way through several miles per game and jumps dozens of times, often landing forcefully in a crowd.

Add liberal doses of backwards running, direction change and lateral movement — plus elbows in the lane — and there’s plenty of potential for injury over the course of an 82-game season.

For many years, the Sacramento Kings have trusted our UC Davis physicians to counteract the effects of these “major-league” biomechanical forces. Sports Medicine and orthopaedic specialists at UC Davis Health System have served as the Kings’ official team doctors for more than two decades, keeping members of the 15-man roster healthy and moving.

For the Kings, we provide regular medical care and injury-prevention consultation as well as treatment for both acute injuries and chronic/overuse problems.

To meet the challenge, our Sports Medicine Program employs an integrated, interdisciplinary approach that brings to bear all of the unique resources of an academic health system. This includes fellowship-level expertise, availability of new technologies, and ready access to clinical trials and emerging treatment approaches. We are also able to offer these resources to Olympic-level athletes, collegiate players and members of the general public ranging from fitness buffs to the proverbial “weekend warriors.”

Richard Marder, our service chief, co-directs the Sports Medicine Program with sports medicine specialist Jeffrey Tanji. Tanji and Sports Medicine specialists David Cosca and Gina Lokna from the Primary Care Network offer treatment for non-operative musculoskeletal conditions such as strains, sprains, overuse problems and fractures. They work in concert with Brian Davis and Brandee Waite from the Department of Physical Medicine and Rehabilitation.

Marder, Kirk Lewis, James Vandenberg, Cassandra Lee and our Foot and Ankle Service chief Eric Giza can provide consultation and surgical expertise when more aggressive treatment is required. As the area’s largest orthopaedic group, our department also offers several other formal subspecialties that can be applied when needed in case of injury or accident, and can draw upon the expertise of our level-I trauma center.

The sports program also works to develop new prevention and treatment approaches through research. Our orthopaedic research laboratories became the Lawrence J. Ellison Musculoskeletal Research Center in 1997, made possible through a generous gift by Lawrence J. Ellison, then president and chief executive officer of Oracle Corporation, to help develop a world-class research center in skeletal molecular biology. Cartilage mechanobiology, cell biology and regeneration are particularly active current research areas.
Meet a Valued Volunteer

Dr. Amir Jamali is no stranger to the Department of Orthopaedic Surgery. Appointed to the UC Davis Faculty in 2003, he quickly became a valuable asset to our Department and well respected amongst his peers, residents and medical students. In 2010, he transitioned into an MSP position and continued to be actively involved in teaching and clinical duties. Dr. Jamali has recently become a Volunteer Clinical Faculty member and, in this new role, will continue the tradition of excellent service.

Dr. Jamali is a board-certified Orthopaedic surgeon with Certification of Added Qualification for Sports Medicine. He is also a member of the Board of Directors of the California Orthopaedic Association. He is a fellow of the American College of Surgeons and of the American Academy of Orthopaedic Surgeons (AAOS) in addition to membership in the Orthopaedic Research Society, and the Western Orthopaedic Association. Dr. Jamali’s clinical interest is in joint preservation surgery including cartilage transplantation, realignment surgery (osteofor), arthroscopy, and total joint replacement of the hip and knee.

Dr. Jamali has been actively involved in both resident education and medical student education, and has shown a strong commitment to quality education. He pays close

(continued on page 6)

Portrait of a Grateful Patient

Pati Malinowski

Pati Malinowski has been a busy person raising three children and crisscrossing the country due to her husband’s employment. Originally from Rochester, New York, the family moved to Thousand Oaks in Southern California, to Colorado Springs, Colorado, back to New York, down to Phoenix, Arizona and is currently settled in the Sacramento region. Malinowski may be staying put for now, but thanks to treatment by UC Davis orthopaedic surgeons, she gets around better than ever.

When she was 16 years old, Malinowski had a bicycle accident and injured her right knee. She said it hurt quite a bit, but the pain went away – and she ignored the injury as all teenagers do. But when she reached her 40s the joint started bothering her again. Malinowski nursed it over the years and sought relief from chiropractors, steroid shots in the knee and arthroscopy a couple of times.

A quilter specializing in 1800s quilting by profession, Malinowski said things came to a head while attending a quilting show. She was pushing another individual in a wheelchair and at the end of the day she felt pain in her left knee; Malinowski knew it was from compensating for her right knee. When she visited her primary care doctor for the pain, he told her the right knee was bone-on-bone and needed to be replaced.

After doing her research, Malinowski decided UC Davis had the best possible care. “After being told I needed surgery, I chose UCD because of its unmatched reputation.” She chose to come to the Department of Orthopaedic Surgery and specifically requested Dr. Paul Di Cesare, chair of orthopaedic surgery. “I found out later that he was the head if the department. I knew I couldn’t be in better hands.”

While Dr. Di Cesare was ready to move forward with the surgery, Malinowski wanted to get through the holidays so she elected to go with “visco replacement” or viscosupplementation – an injection of a fluid to supplement or replace the natural synovial fluid in the knee joint capsule. The injection affords more lubrication and cushioning for the cartilage. The cushioning lasted through the holidays and then Malinowski scheduled her surgery with Dr. Di Cesare.

(continued on page 6)
Annual Meeting Presentations
The Following members of our department have presented at:
The Orthopaedic Research Society and The American Academy of Orthopaedic Surgeons

ORS

ORS Paper
“COMP Binds Multiple TGF-b1 to Activate TGF-b1 Signaling”
Dominik Haudenschild, Jasper Yik, Eunmee Hong, Paul Di Cesare

ORS Paper
“c-Maf Transcription Factor Regulates ADAMTS-12 Expression in Human Chondrocytes”
Eunmee Hong, Jasper Yik, Paul Di Cesare, Dominik Haudenschild

ORS Paper
“COMP is a Primary Response Gene Targeted by TGF-b1”
Jasper Yik, Huan Li, Dominik Haudenschild, Paul Di Cesare

ORS Poster
“High Grade Chondrosarcomas Are Associated with Elevated Expression of the Proto-oncogene LRF”
Jasper Yik, Huan Li, Dominik Haudenschild, Cathy Carlson, Robert Tamurian, Paul Di Cesare

ORS Poster
“Distinct Gene Expression Patterns in the Surface, Middle, and Deep Zones of Bovine Articular Cartilage”
Derek F. Amanatullah, Shintaro Yamane, A. Hari Reddi

ORS Poster
“Characterization of Irregular Stress Distributions Induced by Congenital Klippel Feil Syndrome”
Enoch Leung, Nesrin Sarigul-Klijn, Rolando Roberto

AAOS

AAOS Session 233
“Surgical Timing of Injured Extremities - An Evolving Concept of Urgency”
Brett Crist, Yvonne Murtha, Philip Wolinsky. Moderator: Mark Lee

AAOS Session 334
“Soft Tissue Management in Orthopaedic Trauma”
Edward Harvey, Lawrence Webb, Philip Wolinsky

AAOS Moderator for Trauma III Femur
Philip Wolinsky

AAOS Moderator for Adult Reconstruction Hip 1: Surfacing and Osteotomy Paper Session
Paul Di Cesare

AAOS Specialty Day Open Carpal Tunnel is Safer
Robert Szabo

AAOS/OTA Specialty Day Lecture “Open Fractures – 6 Hour Rule?”
Mark Lee

AAOS/OTA Specialty Day Lecture “DBMs: Are They All the Same?”
Mark Lee

AAOS Session 481
Hand or Wrist Problems Orthopods Treat (or should treat): Diagnostic and Operative Tips
H. Brent Bamburger, Nader Paksima, Robert Szabo

AAOS Poster P233
Hybrid and Volar Locking Plate Fixation in Normal and Osteoporotic Distal Radius Models
Derek Amanatullah, Shima Sokol, Shane Curtiss, Robert Szabo

NATIONAL DOCTORS’ DAY
March 30th, 2011
In recognition of all physicians for their long hours and dedication to the care of others. We thank you!
Match Day Results

According to the National Resident Matching Program (NRMP), 2011 was the largest Match Day in history with more than 26,000 positions and almost 38,000 applicants. Among U.S. seniors, 80% were matched with one of their top three choices. In orthopaedics, there were 158 programs offering 670 positions to the 1,013 applicants. Orthopaedic surgery was one of the most competitive fields for applicants with 90% of these positions filled by U.S. seniors.

Success Stories

Mark Lee, MD, was awarded with $178,768 from Synthesis for his project “In Vitro and In Vivo Evaluation of Allogenic Cadaveric Mesenchymal Stem Cells”.

OREF AWARDS FOR 2011/2012
FELLOWSHIPS
Adult Reconstruction, Dr. DiCesare - $75,000
Spine, Dr. Klineberg - $54,250
Sports Medicine, Dr. Lewis - $26,400
Trauma, Dr. Lee - $52,600

Laurence Cook
Case Western Reserve - M.D. - 5/2011
UC Berkeley - B.A. - Molecular and Cellular Biology
Acting Internship - Joint Service

William (B.T.) Kent
Michigan State University - M.D. - 5/2011
UC Santa Barbara - B.A. - Business Economics
Acting Internship - Trauma Service

Jason Kim
UC San Diego - M.D. - 6/2009
UC San Diego - B.S. - Bioengineering: Pre med
UC Davis Department of Orthopaedics Consult Physician 2010-2011

Dora Rendulic
UC Davis - M.D. - 5/2011
Cal State Fresno - B.S. Biology, Chemistry
Acting Internship - Spine Service

Motasem Refaat
University of Illinois, College of Medicine - M.D. - 5/2011
UC Davis - B.S. Exercise Physiology
Acting Internship - Spine Service (6-Year Research Track)

Congratulations
UC Davis Medical Center!
Named Top Hospital by the Leapfrog Group
Portrait of a Grateful Patient
(continued from page 3)

Unfortunately, in the meantime Malinoswski broke a bone in her right foot, which required surgery and time to recover. Between her foot and knee problems, Malinoswski was “absolutely miserable” with pain – and more than ready for the knee replacement.

The surgery went “beautifully,” she says. “I had great post-operative care and wonderful in-home physical therapy.” Malinoswski made sure to follow the doctor’s orders to the “T” in terms of recovery, physical therapy and exercise — and now things are moving along smoothly. She recently took a trip to tour historic homes in Fredericksburg, VA and despite walking and being on her feet all day, says “It didn’t bother me one bit.”

“Life is different when you have mobility,” she says. “To get my ability of movement back gave me a normal life again. I don’t have to think about my knee anymore.”

When asked why she donated to UC Davis Health System’s Department of Orthopaedic Surgery, Malinoswski replied, “I decided to contribute because of the quality of care. I have had several surgeries, including hand surgery, and the outcome has been excellent. And with the newsletter I can sort of keep an eye on everything that goes on. I guess I’m a little ‘nosey’ and want to learn about what is new.”

Next up on her agenda? “Training to do ‘Bay to Breakers,’” she says, with a big smile. “I don’t dream of being a marathon runner but I think it would be fun to participate!”

Meet a Valued Volunteer
(continued from page 3)

attention to the learning needs of the students and residents whom he teaches.

Dr. Jamali has been an active member of the department, he has contributed greatly to the academic and clinical mission of the UC Davis School of Medicine, has established himself as a competent and passionate teacher and clinician, and has laid the groundwork for productive and meaningful basic science and clinical research. As Volunteer Clinical Faculty, he continues to be a team player and a great asset to the Department and University.