

Dear Alumni and Friends,

The LLU Urology Department is thankful for another year of being able to contribute to the health of our community and to help move our specialty forward. The department looks forward to welcoming five new faculty members in 2019. We will be joined in Pediatric Urology by Katherine Chen and Josh Chamberlin, both finishing pediatric urology fellowships and both are Loma Linda University School of Medicine alumni. Katherine is at Dallas Children's Hospital and Josh is local at the University of California, Irvine. Both are getting advanced training in robotic surgery. We are pleased with the return of LLU School of Medicine and LLU residency alumnus, Lt. Col. Forrest Jellison. Forrest finished a female medicine and reconstructive surgery fellowship at the University of California, Los Angeles and has been practicing in the Air Force. He is currently the associate program director for the urology residency with the San Antonio Uniformed Services Health Education Consortium. We also welcome Humberto Villareal, Forrest's partner in the Air Force to the LLU urology faculty. Humberto will complete a reconstructive urology fellowship at the University of Colorado. We're excited to announce that Mohammad Hajiha will stay on as faculty upon completing his endourology and robotics fellowship this summer. He has been a fellow in our fellowship since 2017. We are delighted to be adding well-trained, outstanding



individuals to our faculty complement. In July 2019, Dr. Samuel Abourbih is moving to New York to practice and Dr. Noel Hui is retiring after 13 years with the department. Our chief residents, Isaac Kelly and Matt Pierce, have both accepted positions in private practice, Isaac in California and Matt in North Carolina. Our summer research program for medical students was again productive and our residents have had opportunity to present their research at major urology meetings in places like San Francisco, Paris, Maui and Phoenix. The department continues to provide an environment that encourages inquiry, study and develops thought leaders in urology. We are looking forward to what 2019 brings and wish each of you an outstanding holiday season and wonderful new year.

Herbert Ruckle, MD, FACS
Roger Barnes Chair and Professor of Urology
Loma Linda University Health

Residency Graduation 2018 Congratulations to Dr. Salim Cheriyan and Dr. Jim Shen



Photo left to right Dr. Brian Hu, Dr. Jim Shen, Dr. Salim Cheriyan, Dr. Edmund Ko. Dr. Cheriyan is pursuing a urologic oncology fellowship at Moffitt Cancer Center. Dr. Shen is pursuing a urologic oncology fellowship at The City of Hope.



Photo left to right Dr. Isaac Kelly, Dr. Mohamed Keheila, Dr. Julie Cheng, Dr. Ruth Belay, Dr. Salim Cheriyan, Dr. Jim Shen, Dr. Hillary Wagner, Dr. Jon Maldonado, Dr. David Kim, Dr. Phil Stokes, Dr. Cayde Ritchie, Dr. Matthew Pierce, Dr. Muhannad Alsyouf.

Benchtop Comparison of 13 Different Guidewires in Three Different Impacted Stone Models



Authors: Akin S. Amasyali, Mohammad Hajiha, Jason Groegler, Muhannad Alsyouf, Phillip Stokes, Williamson Le, Milan Shah, D. Duane Baldwin

The model in the photo was used to compare the amount of pressure required for the guidewire to pass an impacted ureteral stone. The goal is to determine the best type of guidewire so that urologists can use the best available to them during an impacted stone procedure. This abstract was accepted and will be presented at the AUA 2019 Annual Meeting in Chicago.

Photo left to right: Dr. Milan Shah (fellow), Dr. Mohammad Hajiha (fellow), Jason Groegler (research assistant), Dr. Duane Baldwin, professor of urologic surgery, program director endourologic fellowship and director of urologic research, Dr. Akin Amasyali (visiting research scholar).

Department of Urology



MRI/ultrasound fusion
technique offers clearer
target for prostate
cancer biopsies



Western Section AUA 94th Annual Meeting

October 28 - November 2, 2018



Photo left to right: Dr. Herbert Ruckle (Chairman, Department of Urology) Dr. Mohammad Hajiha (fellow), Dr. Muhammad Alsyouf (resident),

Dr. Mohammad Hajiha presented at Western Section AUA 94th Annual Meeting: A Durable, Realistic, Low-cost Percutaneous Renal Access Model

We presented our PCNL renal access model used to enhance surgical training for residents and medical students. The model is easy to make, low cost, durable and realistic. It is made from ballistic gelatin and foam with cost of \$60 per model. It was validated and highly rated by 20 participants (10 medical students, five residents and five attendings) whom found the model beneficial and realistic.

19th Annual Meeting of the Society of Urologic Oncology

November 28 – November 30, 2018



Photo left to right: Dr. Jim Shen, Dr. Muhammad Alsyouf, Dr. Brian Hu

Dr. Muhammad Alsyouf presented at the Society of Urologic Oncology meeting on: "Fake News" in Urologic Oncology: Analyzing the Accuracy of Social Media Content

This study evaluated the prevalence of misinformation regarding genitourinary malignancies on the most popular social media platforms. The study found that prevalence of misinformation was high across all genitourinary malignancies. Inaccurate articles were being shared 28 times more than accurate articles on social media. Misinformation was highest in prostate cancer, with 70 percent of the most shared articles being inaccurate.

87th Annual Postgraduate Convention

March 1-4, 2019, Loma Linda, California

Urology Presenters on Sunday, March 3, 2019

Register online at apc.llusmaa.org

APC Session Topic: Briefing on Cutting Edge Urology: An Update for You and Your Patients - Moderated by Herbert Ruckle, MD



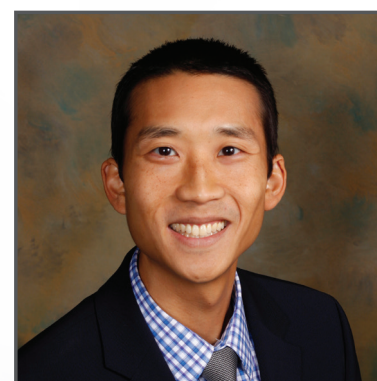
Duane Baldwin, MD

Topics: Urinary stone disease, minimally invasive surgery.



Brian Hu, MD

Topics: Urologic oncology; current urology cancer screening and treatments.



Edmund Ko, MD

Topics: Men's health and sexual function; prevention and treatment of uniquely male health problems.

Join us for our Annual Meeting
Loma Linda University and
University of Southern California Present
the 29th Annual Contemporary Issues in Urology
February 23-26, 2019

This meeting will take place at The Village Lodge in Mammoth Lakes, California, and is designed to meet the educational needs of physicians and advance practice providers who are interested in the management of urological disease.

Our cadre of well-respected faculty will provide information on new surgical techniques and treatment modalities now available in urology.

Follow the QR code to register or visit www.urologyseminar.com.



MRI/Ultrasound Fusion Technique Helps Locate Hard to Find Prostate Cancer

The Cancer Center is the first and only facility in the region to utilize the new method

To support Loma Linda University Health, the department of Urology has added an MRI/ultrasound fusion system for prostate biopsies. MRI has become a standard of care to image the prostate and can identify areas suspicious for cancer not seen on other imaging.

An MRI/US fusion biopsy uses images from a previously obtained MRI of the prostate, overlays those images on the real-time ultrasound image and allows the surgeon to guide the biopsy needle directly into the area of the prostate where the suspicious lesion is located. This increases the sensitivity and specificity of prostate biopsy for locating clinically significant tumors, particularly where there is suspicion of cancer but a negative standard U.S. guided biopsy. It is common to find these tumors residing in the apex and/or the anterior prostate.

This technique is truly multidisciplinary. First, a radiologist reads an MRI of the prostate and marks the boundaries of the prostate and any suspicious lesions. Those images are then sent to a computer server that is accessed from the Urology Department. A urologist with assistance from a one of our urology technicians then starts the biopsy procedure by performing an ultrasound. When the ultrasound images are captured, the marked MRI image is superimposed on the ultrasound image. After several images are merged, the MRI image is over-layed on the

ultrasound image in real-time to give a "head up" display to pinpoint precisely where the suspicious lesions are located within the prostate so that the biopsy needle can go directly through those areas.

For optimal results in patients who have a clinical suspicion of prostate cancer, the MRI/US fusion biopsies at specific lesions are combined with US guided systematic biopsies. This fusion system also allows for longitudinal sampling of known cancer areas for patients undergoing active surveillance.

In the first group of nine patients we biopsied who had a rising PSA and previously negative biopsies, cancer was detected in eight of the nine patients using the system. The ninth patient had an inflammatory condition known to mimic prostate cancer on MRI. This system will help facilitate multidisciplinary research as we use it to study and treat patients

who have a rising PSA after various forms of radiation treatment for prostate cancer.

The department is both thrilled and relieved to have this system in place. It is with gratitude and appreciation that we thank the Hedco Foundation, the Pryke Foundation, an anonymous donor and the contributors to the Roger Barnes Endowment for their belief and trust in our department. It is because of that trust we are able to bring this advance to our patients.

