

Department of Urology

www.urology.uci.edu | www.uciurology.com | www.ucimenshealth.com



Summer Surgery Program Celebrates 7th Year

In This Issue:

Research Spotlight: Combining the Endoscope with Next Generation Smartphones: "A Global Opportunity"

Nautilus Club

The Race That Changed Everything for Lori Francisconi



DISCOVER. TEACH. HEAL.



MESSAGE FROM THE CHAIR

Dear friends and colleagues,

"Best of the old, best of the new" is our theme in the current issue of our newsletter. Yes, we have our nationally and internationally world-renowned faculty like Dr. Ralph V. Clayman, Dr. Thomas Ahlering, Dr. Gamal Ghoniem, etc., but our junior faculty--Dr. Roshan Patel, Dr. Faysal A. Yafi, Dr. Heidi Stephany and Dr. Ramy Yaacoub--are striking an impressive impression in our department's achievements through their pioneering research, international educational developments, grateful patients, generating new programs and funds, and mentoring our next generation of medical leaders.

Discover: Dr. Roshan Patel, previously our endourology fellow, is now a new member of our faculty. In this issue, you will find many of his own research developments which have contributed greatly to our discover mission. This includes winning Best Innovation Paper for Combining the Endoscope with Next Generation Smartphones: "A Global Opportunity" at the 36th annual WCE 2018 meeting in Paris, France (article showcased on page 7) and 3rd place "Ureteroscopic Doppler Ultrasonography: Mapping Renal Blood Flow from the Inside-Out" in the Endourology Fellowship Essay Contest (article showcased on page 5). We are pleased that Dr. Patel will be the 4th fellowship-trained faculty in the UC Irvine comprehensive stone center.

Teach: Dr. Faysal A. Yafi has been successfully running our new Men's Health office in Newport Beach since August. In other news, he hosted our 3rd Annual Dr. Wadie Najm Men's Health Day event held on Thursday, September 6th. This October, he has been named Chair of the Penile Prosthesis Course at October 2018 Société Internationale d'Urologie Congress in Seoul, South Korea; and coming up in November 2018, he is faculty for the Annual Society of Urologic Prosthetic Surgeons Resident Cadaver Lab at the upcoming Sexual Medicine Society of North America meeting in Miami. In other educational news, read on page 5 about how Dr. Heidi Stephany has created a New Resident International Travel Initiative in honor of her grandmother, Margaret Eskola.

Heal: We are pleased to announce that Dr. Ronald S. Solomon from Newport Coast Urology will be joining our team here at UCI Health starting in November. He will be practicing out of our new state-of-the-art Newport Beach location on Birch Street. We believe this partnership will offer many opportunities for growth and greater access for our patients. Additionally, you can read about one of our grateful patients, Lori Francisconi, and how Dr. Ramy Yaacoub saved her life on page 4.

As always, thank you for your continued interest and support.

Jaime Landman, MD
Chair, Department of Urology
UCI Health

SUMMER SURGERY PROGRAM CELEBRATES 7TH YEAR

Our department has now hosted its 7th consecutive year of the Summer Surgery Program. Dr. Jaime Landman founded this program in 2012, which has continued to evolve into one of the premier medical-based high school summer programs offered in the nation.



This annual program includes two sessions, each two weeks long, wherein 24 high school students are given an in-depth perspective into the day and the life of a surgeon. The Summer Surgery participants have access to mentors through all stages of higher education from undergraduate (pre-med) students, to medical students, residents, and attending physicians.

The heart of this program is in the core activities that include 7 days spent in the operating room observing live surgical cases, hands-on surgical technique training at both our Surgical Education Center and Medical Education Simulation Center, use of state-of-the-art equipment used by surgeons across the nation including the da Vinci Si robotic system, full anatomy dissection course and BLS/CPR certification classes.



"It has been our mission to ignite a passion and inspire high school students to pursue their interest in surgery by exposing them to unmatched hands-on experiences here at UCI's world-class institution," said Dr. Landman, who continues to direct the program. In 2017, the *Journal of Surgical Education* published our findings on the impact of this program. You may read "Assessing the Effect of an Intensive 2-Week Surgical Training and Innovation Program for High School Students" at [https://www.jsurged.org/article/S1931-7204\(17\)30092-2/fulltext](https://www.jsurged.org/article/S1931-7204(17)30092-2/fulltext).

THE RACE THAT CHANGED EVERYTHING FOR LORI FRANCISCONI

For most people, a NASCAR race would not be the obvious place to be touched by grace. But for Lori Francisconi, the venue made perfect sense.

“My son loves cars; when he was three, he could walk through a parking lot and identify every single one,” Lori recalls. “So, my husband and I would take him to NASCAR events.”

One day, during the summer of 2014, the family was enjoying a race, when a woman Lori had never met approached her and asked if she knew she had a spot on her back.

“She said, ‘I’ve had cancer, and I really want you to get it checked out,’” Lori recalls.

Lori did know about the mole; she had ignored it for years. Her encounter with this thoughtful stranger turned out to be the first in a chain of events that would save her life two times over.

She consulted a dermatologist, who diagnosed the spot on her back as melanoma and referred her to James Jakowatz, MD, a surgical oncologist and melanoma expert at UC Irvine Chao Family Comprehensive Cancer Center. Dr. Jakowatz scheduled a surgery to remove the cancer.

Lori’s preoperative testing included a chest x-ray, which showed spots on her lung. And, her spleen looked enlarged.

After the melanoma was removed, Lori did as Dr. Jakowatz had suggested and went for a CT scan of her lung and spleen. They were fine—but, there was a large, cystic mass on her left kidney. Dr. Jakowatz referred her to Ramy Yaacoub, MD, a renowned UCI Health urologist.

The follow-up revealed a cystic, 18-centimeter mass, weighing more than six pounds. It filled much of her abdomen, yet she had no pain or related symptoms.

Whenever Dr. Yaacoub sees a renal mass, he is able to consider a range of options available to UCI urologists for management: open surgery, minimally invasive laparoscopic or robotic surgery, cryoablation, also referred to as ‘image guided freezing,’ or active surveillance with follow-up imaging. He then discusses suitable options with the patient.

“Normally, I would consider minimally invasive options,” Dr. Yaacoub says. “In Lori’s case, I felt open surgery was the safest option. She agreed.”

“I took out the entire left kidney, which harbored a high-grade kidney cancer. It was a cystic mass, and those usually have a better prognosis than solid masses.”

Three years later, Lori is cancer free and still marveling at the whole experience.

“I feel blessed, both for divine intervention and for the incredible care I received at UCI Health,” she says. “It was reassuring to know that one hospital had the ability to meet all of my needs, and I am deeply grateful that Dr. Jakowatz and Dr. Yaacoub really helped us get through a difficult time. Because of their support, I get to be here to watch my son grow up.”



CONGRATULATIONS

Over 100 copies of Dr. Ralph V. Clayman's 2016 published book *The Compleat Dean: A Guide to Academic Leadership in the Age of Uncertainty* were sold at a book signing event. The event was hosted by UCI faculty Dr. Zhamshid Okhunov, at the 29th World Congress of Videourology and Advances in Clinical Urology in Moscow, Russia.

This book contains insights of Dr. Clayman and vice chancellors and deans all over the United States, based on their answers to 113 provocative questions. A wide range of leadership topics are addressed, pertaining to communication, meeting management, strategic planning, cultural development and life balance. Any leader, regardless of entity, can benefit from the advice on these pages.



<http://videourology2018.com/n9/>

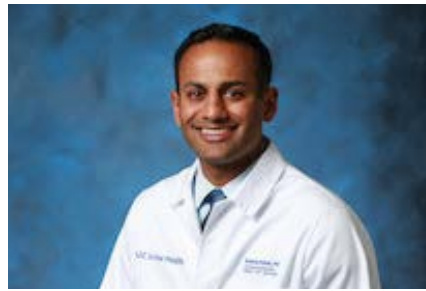
DR. FAYSAL YAFI

Dr. Faysal Yafi is Chair of the Penile Prosthesis Course at October 2018 Société Internationale d'Urologie Congress in Seoul, South Korea.



WELCOME

Welcome new faculty Roshan Patel, MD and Ronald S. Solomon, MD.



Roshan Patel, MD

Assistant Clinical Professor
 -Complex Kidney Stones
 -Kidney Cancer
 -Ureteropelvic Junction Obstruction



Ronald S. Solomon, MD

Dr. Ronald S. Solomon is joining our team November 1st from Newport Coast Urology. He will be practicing out of our new-state-of-art Newport Beach location at: 20350 SW Birch St. Newport Beach, CA 92660. All of his patients will have a direct phone line to reach him at 714-509-6220,

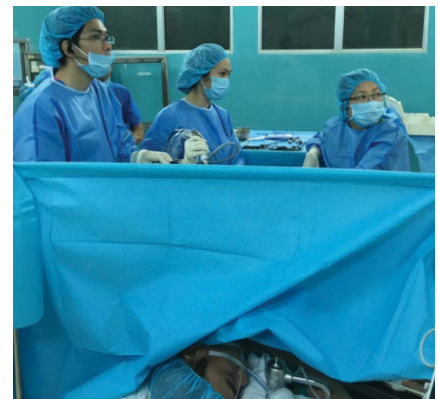
AT THE FALL 2018

36th World Congress of Endourology in Paris, the Department of Urology presented 18 posters. Dr. Landman, Dr. Clayman and Dr. Ahlering were invited as plenary lecturers and general assembly panel sessions. Dr. Roshan Patel's "Ureteroscopic Doppler Ultrasonography: Mapping Renal Blood Flow from the Inside-Out" study won 3rd place in the Endourology Fellowship Essay Contest. Additionally, read on page 7 about our project that won best innovation paper.

IN MARCH 2018,

our resident Catherine Nguyen, MD traveled with Dr. Joel Gelman, a world-renowned reconstructive urologist from UCI Health, to Saigon, Vietnam. "I gained first-hand experience with the epidemiology of urethral stricture disease in Vietnam, learning how the Vietnamese urologists approach evaluation and treatment of different urologic diseases through participating in surgeries with them." – Dr. Catherine Nguyen.

Dr. Gelman has been traveling to Vietnam on an annual basis for a number of years with the goal of training local urologists to perform urethroplasty and ultimately establish the center for urethroplasty training in Southeast Asia.



Dr. Catherine Nguyen (second from right) is awarded a scholarship from the International Volunteer Urologist (IVUmed) program, along with other residents Dr. Divya Ajay, Duke University (right) and Dr. Lunan Ji, University of Miami (second from left).

NAUTILUS CLUB



The Department of Urology considers the educational and experiential development of our residents and fellows critically important to our mission to: Discover. Teach. Heal. As practitioners, we all thrive because of the experiences that we have shared in the lab, office and classroom. And together, we have the ability and capacity to inspire academic and clinical achievement in the generations of brilliant UCI Health Urology graduates yet to come.

This year, we have introduced the Nautilus Club as a means to recognize our supporters of top-tier resident and fellow education.

OUR THANKS TO OUR FOUNDING MEMBERS:

Thomas Ahlering, MD	Donald C. Martin, MD
William Bonney, MD	Dena Moskowitz, MD
Junghwan Choi, MD	Ross Moskowitz, MD
Ralph V. Clayman, MD	Roshan M. Patel, MD
Joel Gelman, MD	Nader Sadoughi, MD
Harry W. Herr, MD	Alfred A. Sidhom, MD
Mark Jordan, MD	Heidi Stephany, MD
Kam Kaler, MD	Bernard A. Turbow, MD
Antoine Houry, MD	Elias Wehbi, MD
	Faysal Yafi, MD

Dr. Jaime Landman shared his support of the initiative stating, "The Nautilus Club is a wonderful symbol of the Urology Department's deep dedication to education as well as the extraordinary support of our faculty and past graduates who are willing to give their own resources to assure the continued success of our educational mission. This is a truly remarkable group of individuals on so many levels." Help us continue the UCI Health Urology tradition of providing world-class educational opportunities to our residents and fellows by making a gift of \$1,000 or more to join. Residents and fellows within five years of graduation can become a Founding Member for just \$500.

For more information or to make a gift, please contact Erika Bernal at erbernal@uci.edu or 714-509-2112.

NEW RESIDENT INTERNATIONAL TRAVEL INITIATIVE

Dr. Heidi Stephany, Assistant Clinical Professor of Pediatric Urology, shared in our last issue her plans to be the team leader for the third time on her biannual trip to Africa with her nonprofit collaborator International Volunteers in Urology Med (IVUMed).

If her volunteer efforts were not enough, Dr. Stephany, who also serves as Pediatric Fellowship Director and Associate Residency Director for UCI, has recently committed to building a significant endowment over the next five years to generate income to send UCI urologic residents internationally to participate in this life-altering work. The fund will become known as the Margaret Eskola Endowed Resident International Travel Fund, in honor of her late grandmother who was always supportive of Dr. Stephany's efforts to both teach and heal.

We asked Dr. Stephany about her motivations behind this generous commitment.

Why did you choose to support international travel for residents at UCI?

My experience with global health started as an attending, and I was so excited my residents were able to experience this in their training. The relationships that are made throughout this process are life-long, and it's so important for trainees to gain a new perspective and appreciate the differences in health care among various countries and cultures.

What would make this commitment to resident education a success?

First and foremost to make this commitment to resident education a success is the complete support of our faculty. Fortunately, the UCI Department of Urology has many staff members involved in some type of global health effort. My goal is to incorporate this as part of our curriculum, with each resident participating in this truly incredible experience.

This is the type of gift that creates a legacy. Describe how your grandmother would react, knowing you have made this gift in her name.

My grandmother, Margaret Eskola, has always been my biggest fan and has graciously supported my efforts. Although she worried the entire time I was on a mission, she was always eager to hear of all my adventures. She would be extremely proud to know she will have a lasting impact on the education of our residents here at UCI.

How do you imagine your patients, fellow faculty members and the urologic community might engage in this effort?

As I mentioned, we have a phenomenal department and all of the faculty recognize this amazing and unique opportunity for our residents to expand upon their education. One of my colleagues, Dr. Gelman, also shares my passion for international medicine and has created a strong foundation for his global efforts. With his help, along with others in the urologic community, I am positive my vision will take our residency program to the next level.

"Our culture of development in Urology is actually paying off in very unexpected ways," shared Dr. Jaime Landman, department chair. "Dr. Heidi Stephany, one of our new pediatric urologists, is truly remarkable for taking this step to ensure UCI residents will have the resources to expand their horizons and put their knowledge to work in countries across the world." We thank you, Dr. Stephany, for your vision which crosses borders and encourages us all to Discover. Teach. Heal.

To show your support for Dr. Stephany's efforts on behalf of resident education, give online at connect.uci.edu/eskolafund. A gift of \$1,000 or more qualifies for Founding Member status in the new Nautilus Club at the Department of Urology.



COMBINING THE ENDOCKSCOPE WITH NEXT GENERATION SMARTPHONES: "A GLOBAL OPPORTUNITY"

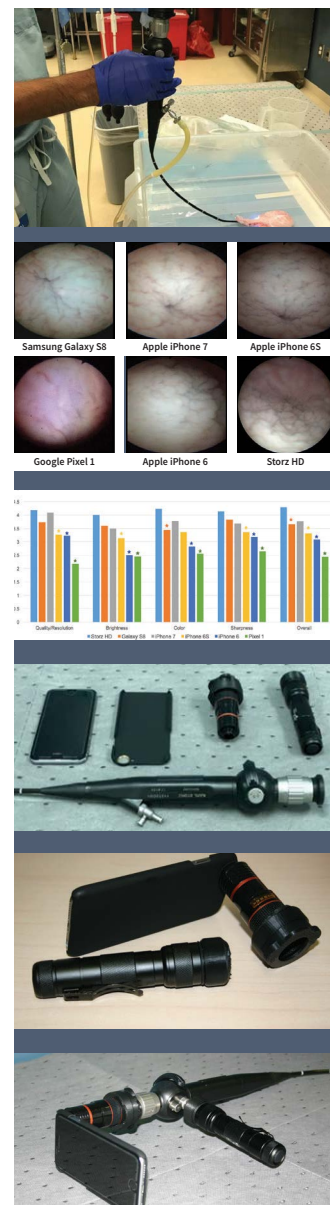
– Best Innovation Paper at 36th annual WCE 2018 meeting in Paris, France.
RM Patel, R Yoon, Z Okhunov, C Tse, RV Clayman, J Landman United States

Worldwide, the burden of urological disease is expected to grow with the increasing adoption of a Western diet, exposure to risk factors (eg, smoking), and advancing life expectancy. Developing countries have shown similar prevalence rates of urolithiasis as seen in Western countries; however this is presumably underestimated due to the decreased incidence of asymptomatic stones detected by ultrasonography. Additionally, in tropical areas, such as South Western Asia, the burden of urolithiasis and renal colic is increased due to the warm climate. Approximately, 4.8 billion individuals globally do not have access to safe and affordable surgical care, with the greatest proportion from developing countries in Africa and Asia. Affordability, compared to timeliness, surgical capacity, and safety has the greatest impact on limiting access to surgical services. Compounded with a shortage in surgeons skilled in urological procedures and limited access to the necessary equipment to address urological disease, it is imperative that technology advances to address the needs of a growing global population.

Recent reports indicate that in the third fiscal quarter of 2017, the iPhone 7 was the leader in mobile device shipments, followed by the iPhone 6. Despite the popularity of these mobile models, Samsung was responsible for the most overall smartphone shipments with 82.8 million smartphones shipped worldwide compared to Apple's 47.7 million iPhones. This suggests the global potential for the Endockscope system, as this novel equipment successfully visualized urinary tract anatomy utilizing the two most widely distributed smartphone devices.

Two distinct advantages of the Endockscope system over conventional HD cameras and high-powered light sources are cost and mobility. With traditional camera and light systems costing upwards of \$45,000, in resource-strapped communities and countries, the life-saving value of cystoscopy becomes an unaffordable expense. Comparatively, the cost of the Endockscope smartphone attachment and portable LED light is 1000x more cost effective at \$45. The Endockscope system capitalizes on the availability of the cameras found in ones' own back pocket to render images comparable to cystoscopy-compatible HD cameras. Thus, rendering cystoscopy from an exorbitant expense of \$45,000, including the maximum cost of a \$4,000 cystoscope, into an accessible tool at less than \$5,000. This cost can be further offset by the wide applicability of the Endockscope system. Our current studies were performed with a flexible fiberoptic cystoscope, but the Endockscope system is compatible with any endoscopic device with a standard 32mm eyepiece. Additionally, the transportability of the Endockscope system makes it an attractive option for remote communities lacking access to expert urologists, resource-poor regions, and patients who require their health team to come to them. The integrated smartphone feature of the Endockscope allows the user to seamlessly perform videocystoscopy and immediately transfer or share live video recording, which may serve beneficial in the setting of emergencies and geographical isolation.

Telemedicine is a burgeoning aspect of medicine that delivers educational, clinical, and administrative services remotely. The Endockscope system may contribute to the advancement of telemedicine by allowing expert endourologists in one part of the world to examine, diagnose, and guide videocystoscopy in another part of the world. As medicine increasingly develops into a global science, it becomes necessary to develop novel strategies to educate and interact with physicians worldwide. Widespread use of the Endockscope system may serve as an impetus for the development of new technologies that utilize smartphone video, sound, and internet capabilities. We anticipate future studies with the latest mobile device models to produce videocystoscopy imaging superior to those produced in the current study, further confirming the Endockscope's potential for high quality imaging comparable to standard HD cameras. With the exponential growth surrounding mobile technology seen with annual releases of improved smartphones, the potential for handheld mobile devices to incite innovation and advancement in all fields of medicine is limitless.



UCI Health

Department of Urology
333 City Blvd. West, Suite 2100
Orange, CA 92868

NONPROFIT ORG
U.S. POSTAGE
PAID
Santa Ana, CA
Permit No. 1106

Our Locations

Orange

101 The City Drive South, Pavilion 3,
Building 29
Orange, CA 92868

Newport Beach

20350 SW Birch St.,
Newport Beach, CA 92660

Tustin

1451 Irvine Blvd.
Tustin, CA 92780

Chino Hills

15944 Los Serranos Country Club
Drive, Ste. 200
Chino Hills, CA 91709

Eastvale

12523 Limonite Ave., Ste. 400
Eastvale, CA 91752

Pediatric Locations

Orange

505 S. Main St. Suite 100
Orange, CA 92868

Huntington Beach

19582 Beach Blvd. Suite 380
Huntington Beach, CA 92648

Newport Beach

20350 SW Birch St.
Newport Beach, CA 92660

Long Beach

2888 Long Beach Blvd. Suite 340
Long Beach, CA 90806

For appointments or referrals,
please contact Christina Hwang
714-292-9716

Find us Online

For a complete list of services
and patient care information, visit
www.uciurology.com
www.ucimenshealth.com

Additional information can be
found on our academic website at
www.urology.uci.edu



Like us

facebook.com/ucirvineurology



Follow us

twitter.com/UCI_Urology

Make a Gift that Changes Lives

At UCI Health, we are powered by discovery and innovation to provide leading-edge healthcare and innovative medical education. You can join us in our mission by making a gift today – from cash and securities to real estate and other appreciated assets.

Please contact Erika Bernal at erbernal@uci.edu or 714-509-2112 for a personal conversation about how you can be the spark that changes a life for the better.



www.urology.uci.edu