



TULANE UROLOGY



WINTER 2009

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New Orleans Wins the Bid!

At the recent meeting of the 27th World Congress of Endourology (WCE), held in Munich, Germany, Tulane Urology faculty members, Drs Benjamin Lee and Raju Thomas presented a strong bid to bring this International meeting to New Orleans. The Endourological Society is an International society founded in 1983 by Dr. Arthur Smith, Dr. Ralph Clayman, Dr. Gopal Badlani and Dr. Joseph Segura. The society was established in an effort to facilitate scientific dialogue among endourologists worldwide in the form of annual meetings, circulation of scientific literature, and surgical skill training courses/hands on laboratory sessions focusing on Laparoscopy, Robotics, Percutaneous and Ureteroscopic procedures. The conference rotates between North/South America, Europe and Asia. In 2010, the meeting will be held in Chicago, Illinois; in 2011 it will be held in Kyoto, Japan, in 2012 Istanbul, Turkey. With the successful bid, New Orleans will play host to Urologists from around the world in October 2013. Early plans will include plenary session lectures focusing on management of Urologic Oncology, Stones, and Erectile dysfunction in a minimally invasive fashion. Didactic panel sessions on how to manage and avoid complications are planned, as well as instructional courses in surgical simulation, robotic partial nephrectomy, robotic prostatectomy - nerve-sparing technique, percutaneous stone surgery and single port surgery. A strong participation from local urologists is anticipated to make this the best WCE!



Tulane Urology was well represented at the 2009 - WCE. L to R: Drs Ugur Boylu and Sarah Conley (fellows) with faculty Drs Benjamin Lee and Raju Thomas.



In Memorium: Satish Karnik, M.D.

Dr. Satish Karnik, an alumnus of Tulane Urology, passed away September 30, 2009 from complications of a heart attack. He was 60 years old. A native of Rajkot, India, Dr. Karnik graduated from the University of Bombay. He married his anatomy partner, Dr. Vilasini Karnik. He first came to New Orleans in 1975 to be a surgeon in Charity Hospital's emergency room before doing his residency in urology at Georgetown University Medical Center in Washington, D.C., and at Tulane Medical Center. As a Tulane Urology Alumnus (1982), and as a member of our clinical faculty, he will be deeply missed. His professionalism, vast experience, sense of humor, loyalty, and teaching skills was second to none. He is survived by his wife Vilasini, three children, and one grandchild.

Our Patient Referral Hotline is (504) 988-2536.

Who We Are

Asim Abdel-Mageed, Ph.D., D.V.M.
Associate Professor
Molecular Oncology

Antonio Barrios, M.D., M.P.H.
Assistant Professor
Director, International Liaison for
Advanced Urologic Care

Wesley Bryan, M.D.
Clinical Assistant Professor

Sarah Conley, M.D.
Instructor - Endourology

Jon Ryan Glass, M.D.
Clinical Assistant Professor

Wayne J.G. Hellstrom, M.D., F.A.C.S.
Professor
Chief of Andrology and
Sexual Dysfunction

Pablo Labadie, M.D.
Clinical Assistant Professor
Urinary Incontinence

Benjamin R. Lee, M.D.
Professor
Minimally Invasive Urologic Surgery
Robotic, Laparoscopic, & Endourology
Director, Endourology Fellowship Program

Krishnarao Moparty, M.D.
Clinical Professor
Director of Resident Education

Oliver Sartor, M.D.
Piltz Professor of Cancer & Research
Departments of Urology and Hem-Onc

Suresh Sikka, Ph.D., H.C.L.D.
Professor
Department of Research Director

Renal Transplant:
Anil Paramesh, M.D.
Professor
Renal Transplant

Douglas Slakey, M.D.
Professor
Renal Transplant

Raju Thomas, M.D., F.A.C.S., M.H.A.
Professor and Chairman
Endourology, Laparoscopy, Stone Disease, and
Robotic Surgery

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Surgical Team in the Entire Gulf South.*

Tulane Urology

Comparison of Kidney Function Following Partial Nephrectomy: Robotic, Laparoscopic, and Open Approach

At the recent World Congress of Endourology, held in Munich, Germany, Dr. Ugur Boylu reported on a series of 144 Robotic, Open and Laparoscopic partial nephrectomies, which had been performed at the Tulane Department of Urology.

In a retrospective review of patients who had solid renal masses concerning for renal cell carcinoma, the differential pre- and post operative renal function of these patients were determined using MAG3 diuretic renal scans before and after surgery, as well as calculating GFR. The average size of the tumor resected in the robotic group was: 2.8cm, open group was 3.4cm, and laparoscopic group: 2.8cm. The average decrease in GFR was 14.5 ml/min/1.73m² in the robotic group, 11.8 in the laparoscopic group, and 12.9 in the open group.

The average decrease in differential function was 6.4% robotic, 5.4% open, and 5.5% laparoscopic.



Dr. Ugur Boylu
Fellow
Tulane Department of Urology

Approach	Avg decrease GFR	Avg decrease Renal function
Robotic Partial Nephrectomy	14.5 ml/min/1.73m ²	6.4%
Laparoscopic Partial Nephrectomy	11.8 ml/min/1.73m ²	5.5%
Open Partial Nephrectomy	12.9 ml/min/1.73m ²	5.4%

The conclusion from the study was that a decrease in renal function looking all approaches, including Robotic, laparoscopic and open partial nephrectomy, resulted in only a 5.6% decrease in overall renal function, with resection of masses 3-4 cm in size.

According to Dr. Benjamin Lee, Professor of Urology, this study helps demonstrate the benefit of offering robotic partial nephrectomy to patients and counseling that significant preservation of renal function can be achieved in accordance to the AUA guidelines of small renal masses to help avoid the risks of cardiovascular events that are associated with late stage renal disease as well as the morbidity of hemodialysis.



Dr. Anil Paramesh

Dr. Anil Paramesh Joins Tulane Urology as Adjunct Faculty

The Tulane Department of Urology would like to welcome Dr. Anil Paramesh as our most recent addition to the Tulane Urology faculty. Dr. Paramesh attended Kasturba Medical School at the University of Mangalore, India, Residency at North Oakland Medical Centers in Pontiac Michigan and Wayne State University in Detroit, and Fellowship in Abdominal Transplantation Surgery at Mount Sinai School of Medicine in New York. Dr. Paramesh brings a wealth of knowledge and training to our department and we are extremely pleased to have him as a valuable member of our faculty team.

Presentations Performed at the World Congress of Endourology

Wednesday October 7, 2009		
Educational Course	Laparoscopy and robotics: The role of simulators	Benjamin Lee
Video - Poster	Determination of Satinsky clamp safety zone to determine robotic arm during robotic partial nephrectomy	Ash Bowen, Mathew Raynor, Ugur Boylu, Benjamin Lee
Video	Single incision laparoscopic renal cryosurgery	Ugur Boylu, Matthew Oommen, Raju Thomas, Benjamin Lee
Video Poster	Ureteroenteric anastomotic stricture: Novel use of a cutting balloon dilator	Ugur Boylu, Matthew Oommen, Mathew Raynor, Raju Thomas
Laparoscopic Hands-on teaching course	Tutors: C. Doehn, Germany; A. Breda, Spain; T. Erdogru, Turkey; M. Burchardt, Germany; A. Cestari, Italy; Benjamin Lee, USA	Benjamin Lee
Video	Natural orifice transluminal endoscopic surgery (NOTES): Partial nephrectomy in porcine model	Benjamin Lee, Ugur Boylu, Matthew Oommen, Raju Thomas, Virenda Joshi

Thursday October 8, 2009		
Poster	Correlation of bladderneck location on cystogram predicts early return of continence following robotic radical prostatectomy	Ugur Boylu, Michael Pinsky, Brian Richardson, Raju Thomas, Benjamin Lee
Poster	Reconstruction of rectourethralis muscle prior to urethral vesicle anastomosis improves early return of continence in patients undergoing robotic radical prostatectomy	Ugur Boylu, Michael Pinsky, Brian Richardson, Sarah Conley, Raju Thomas, Benjamin Lee
Poster	Predictors of positive surgical margin in robotic assisted radical prostatectomy	Ugur Boylu, Michael Pinsky, Sarah Conley, Benjamin Lee, Raju Thomas
Video	Robotic partial nephrectomy for complex and hilar lesions	Benjamin Lee, Ash Bowen, Matt Oommen, Ugur Boylu
Video	Robotic partial nephrectomy: Early unclamping technique	Benjamin Lee, Ugur Boylu, Matt Oommen
Poster	Impact of the difference of tumor size measured on imaging and final pathology on partial nephrectomy outcomes	Ugur Boylu, Maggie Hopkins, Sarah Conley, Michael Pinsky, Anthony Tracey, Benjamin Lee
Poster	Does preoperative 3.0-tesla MRI contribute in treatment of high risk prostate cancer?	Ugur Boylu, Oliver Sartor, Benjamin Lee, Raju Thomas

Friday October 9, 2009		
Poster	Comparison of surgical outcomes of open laparoscopic and robotic partial nephrectomy	Ugur Boylu, Michael Pinsky, Anthony Tracey, Maggie Hopkins, Raju Thomas, Benjamin Lee
Poster	Comparison of renal functions after open laparoscopic and robotic partial nephrectomy	Ugur Boylu, Michael Pinsky, Maggie Hopkins, Anthony Tracey, Benjamin Lee
Poster	Factors affecting blood loss during partial nephrectomy	Ugur Boylu, Anthony Tracey, Sarah Conley, Michael Pinsky, Maggie Hopkins, Benjamin Lee
Poster	Oncology outcomes: Search for margin positive cases following partial nephrectomy	Ugur Boylu, Michael Pinsky, Sarah Conley, Anthony Tracey, Maggie Hopkins, Benjamin Lee
Panel	Nightmares in endourology. Challenging cases in a Panel discussion	Chairman: Michael Michelle, Germany - Faculty - Philo Pufu, Italy; Arthur Smith, USA; Stephen Nakata, USA; A. Mendoza, Mexico; D. Frohneberg, Germany. Presenter: Dr. Benjamin Lee, Robotic Renal Surgery
Video	Management of crossing vessels and other findings during robotic pyeloplasty	
Poster	Obesity does not affect the surgical and oncologic outcomes of robotic assisted radical cystectomy	Ugur Boylu, Matthew Oommen, Sarah Conley, Mathew Raynor, Benjamin Lee, Raju Thomas
Poster	Oncologic outcomes of robotic assisted radical cystectomy	Ugur Boylu, Matthew Oommen, Benjamin Lee, Raju Thomas
	New Technology	Moderator: Raju Thomas

Robotic Radical Prostatectomy: Posterior Reconstruction of the Rectourethralis Muscle Improves Early Return of Urinary Continence

At the recent World Congress of Endourology meeting in Munich, Germany Dr. Sarah Conley, Robotic and Endourology Fellow in the Department of Urology reported on outcomes of three surgical techniques that are currently being performed at the Tulane University, Department of Urology following Robotic Radical Prostatectomy. In patients following robotic prostatectomy, reconstruction of the rectourethralis muscle (which is performed during the same surgery), was compared with anterior suspension of the bladder and with no reconstruction. An independent telephone survey was conducted on post-prostatectomy incontinence to determine the interval to return of continence, defined as 0-1 pad per day. When the time to continence was reviewed it was determined that with the posterior reconstruction of the rectourethralis muscle, patients returned to continence at average of 8.8 weeks. The anterior reconstruction took 16 weeks for control of continence, and without repair the return to continence was 18.1 weeks. The conclusion from this study demonstrated that the earliest return of continence was achieved with posterior reconstruction alone.



Dr. Sarah Conley
Fellow
Tulane Department of Urology

Shortly, patients undergoing robotic radical prostatectomy with bilateral nerve sparing will be enrolled in a prospective randomized study to evaluate outcomes.

Sexual Medicine Society of North America Upcoming Meeting: November 19-22 in San Diego, CA



Dr. Wayne Hellstrom
Tulane Department of Urology

The annual meeting of the Sexual Medicine Society of North America will be held November 19-22, 2009 in San Diego, CA. Tulane Urology will have a significant presence at this meeting, delivering over 10 presentations.

Established in 1994 as an independent organization of health care professionals concerned with the science of human sexual function and dysfunction, the SMS seeks to identify existing and emerging issues in the field of human sexual function and dysfunction, provide accurate and credible information to medical professionals, develop standards and guidelines for impotence research and practice, and produce educational program that bring leading-edge concepts of research, clinical practice, ethics, and politics to health care professionals interested in impotence and related matters. Dr. Wayne Hellstrom, Professor of Urology and Chief of Andrology, Past

President of ASA, Secretary General of ISSM, and Treasurer of SUPS, is the former President of the Sexual Medicine Society of North America (2004).

Tulane Urology celebrates 50th Anniversary

Tulane Urology is delighted to celebrate our 50th anniversary as an independent department at Tulane. Although Tulane Urology has been in existence for over 150 years, the first 100 were as part of the General Surgery Department. Dr. Jorgen U. Schlegel, MD became our first chairman in July 1960, when Tulane Urology was formally split into an independent department. The foresight of past luminaries such as Dr. Schlegel has been instrumental in the tremendous strides that Tulane Urology has made as a department. His resilience and determination still serve as an example to the department.

