

Tulane Urology

Cutting Edge... Without the Cut™



Tulane Urology... Preferred Destination for Complex, Advanced Urologic Care

With a faculty dedicated to specialized urologic care, Tulane Urology has become a destination for patients that may require specialized procedures and technology. We have been on the cutting edge of minimally invasive surgical technology, and are equipped to handle the usual and sometimes unusual cases, even those requiring urologic prosthetics.

Our extensive faculty experience has made Tulane Urology the regional leader in robotic surgery, specializing in prostate cancer and other oncologic care such as Robotic Partial Nephrectomy (see inside), Robotic Cystectomy, and numerous other urologic reconstructive procedures including management of UPJO, ureteropelvic obstruction, management of ureteral stricture, and ureteral implants.

Tulane Urology still leads the Southeastern region in percutaneous management of kidney stones and tumors (select cases of transitional carcinoma of the kidneys).

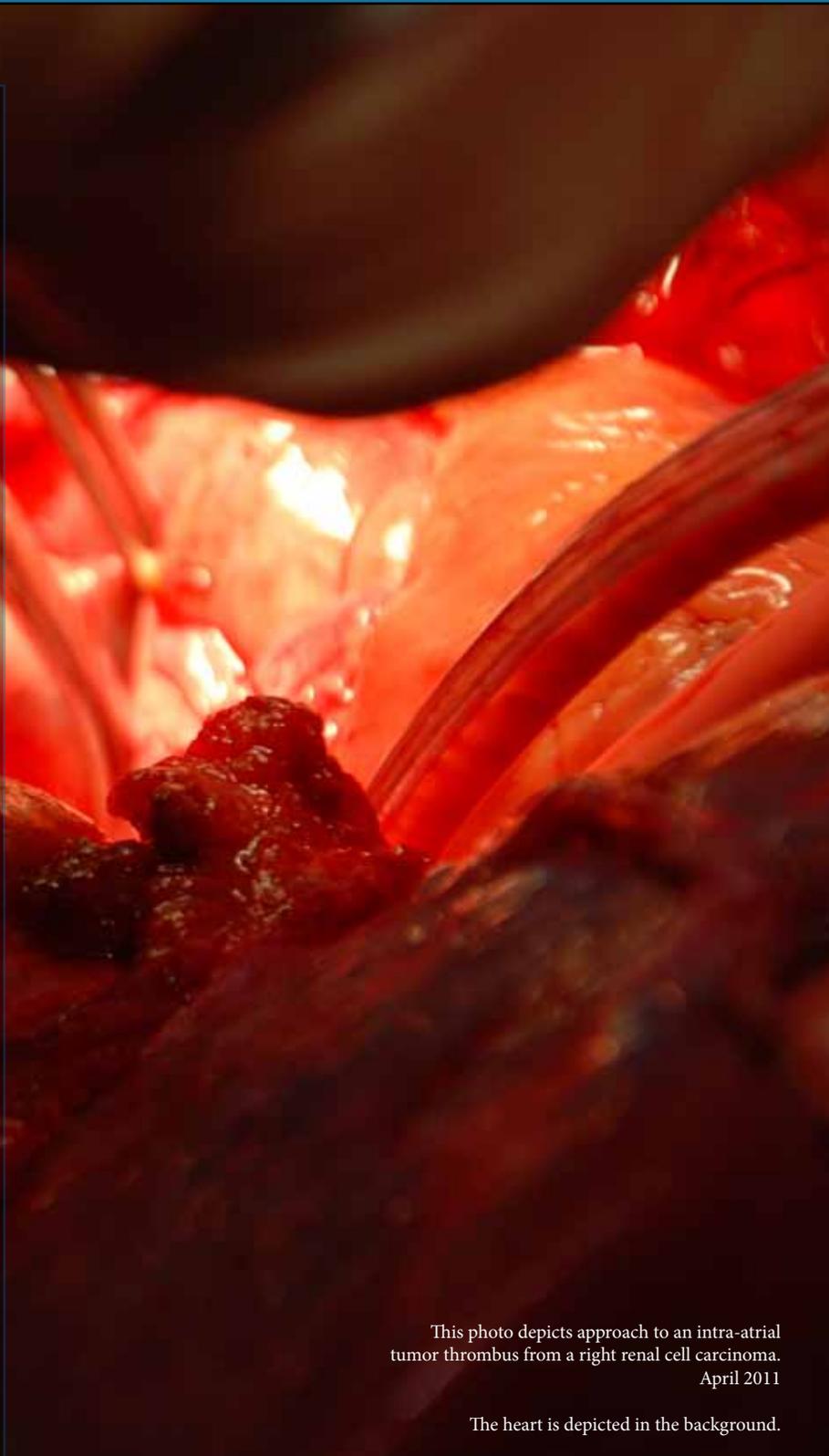
Patients referred to Tulane Urology can call (504) 988-2536 or (504) 988-5271.

After patients are managed, they are referred back to their primary urologist for continued follow-up care. This is symbolized in our logo, which depicts the full circle of care, starting with the primary referring Urologist.



The office of clinical research at Tulane Urology will maintain the database on these patients for follow-up and outcomes analyses.

If you have challenging cases (morbidly obese or otherwise) or if you feel it may need a certain approach or technology, feel free to call or email any of our faculty at Tulane Urology.



This photo depicts approach to an intra-atrial tumor thrombus from a right renal cell carcinoma.
April 2011

The heart is depicted in the background.

SESAUA 2011: Success

The 75th annual meeting of the Southeastern Section of the American Urological Association in New Orleans was an enormous success, as this year's conference boasted the largest number of attendees ever. As President of this year's SESAUA, **Dr. Raju Thomas** was instrumental in bringing the SES back to Tulane's host city of New Orleans following Hurricane Katrina.

The 2011 program highlighted extensive coverage of the urologic socio-economic status, with a well-organized scientific session that included (for the first time) a non-physician provider session for nurse practitioners and physician assistants.

Following the success of the annual meeting in New Orleans, plans have begun for the SESAUA to return to New Orleans every 6 years.



Past Presidents of the SESAUA gather at the annual banquet in New Orleans, LA

Tulane Urology at the AUA 2011, Washington D.C. - May 13-19

PODIUM: Sunday May 15, 2011 10:30am - General and Epidemiological Trends and Socioeconomics: Practice Patterns, Cost Effectiveness (Dr. Raju Thomas)

MODERATED POSTER: Monday, May 16, 2011 from 10:30 AM - 12:30 PM, Room 202B. Renal Hypothermia: Direct comparison of surface vs. retrograde-perfusion-cooling during laparoscopic partial nephrectomy in a porcine model. (Shubha De & Dr. Benjamin Lee)

MODERATED POSTER: Monday, May 16, 2011 from 8:00AM-10:00AM. Room 206. Measurement of Isoprostane for Renal Ischemia in an Animal Model (Dr. Wang Zijun & Dr. Lee)

VIDEO: Sunday, May 15 from 1-3 pm- "Lest We Forget- Open Partial Nephrectomy with Autotransplantation" (Dr. Brian Richardson & Dr. Thomas)

VIDEO: Tuesday, May 17 from 8- 10 am- "Incision and Grafting of Severe Peyronie's Disease" (Dr. Richardson & Dr. Wayne Hellstrom)

PODIUM: Abstract Number: 1102483 (Sunday May 15, 1-3pm)
Abstract Title: Increase in application of partial nephrectomy for T1 Renal mass in the United States from 2000 to 2008 (Dr. Jan Colli & Dr. Lee)

PODIUM: Abstract Number: 1103152 (Tuesday May 17 3:30-5:30pm)
Abstract Title: Population densities in relation to bladder cancer mortality rates in America; 1950 to 1994 (Dr. Colli & Dr. Thomas)

POSTER: Abstract ID: 1102841 (Saturday May 14 3:30-5:30pm)
Abstract Title: Urologic cancer mortality rates stratified by geographic region and physician prevalence in the United States (Dr. Jan Colli & Dr. Lee)

POSTER: Abstract ID: 1106334 (Saturday May 14 3:30-5:30)
Abstract Title: Costs for Urologic Hospitalization in the U.S., 1998 to 2008 (Dr. Colli & Dr. Lee)

POSTER: Abstract ID: 106251 (Monday May 16, 1:00-3:00pm) Abstract Title: Imatinib Mesylate (Gleevec) As an inhibitor of several protein Tyrosine Kinases Has a Potential Role in Inducing Erectile Response in the Rat (Dr. Serap Gur, Dr. Liman Ma, Dr. Sikka & Dr. Hellstrom)

VIDEO: Abstract #: 1101644 (Monday May 16 10:30-12:30)
Abstract Title: Laser Partial Nephrectomy without ischemia: Robotic Technique (Dr. Colli & Dr. Lee)

Abstract ID: 1106309 Abstract Title: Does the need for a replacement inflatable penile prosthesis lead to decreased patient satisfaction? (Dr. Arthur Caire & Dr. Hellstrom)

Abstract ID: 1106377 Abstract Title: I Preoperative Imaging in Prostate Cancer Overused? An Analysis of the 2010 National Comprehensive Cancer Network Guidelines (Dr. Caire & Dr. Lee)

Abstract ID: 1101420 Abstract Title: Near Infrared Tissue Oximetry and Digital Image Analysis: Quantitation of Renal Ischemia in Real Time During Partial Nephrectomy (Dr. Caire & Dr. Lee)

Moderated Poster Session: Combating counterfeiting: the campaign against counterfeit PDE5 inhibitors. (Dr. Philip Dorsey & Dr. Hellstrom)

Podium Session, Tues, May 17, 1:00-3:00PM: Robot -Assisted Partial Nephrectomy in 1035 Cases: A Multi-Institutional Experience (Dr. Lee)

POST GRADUATE COURSE - Tuesday May 17, 2011:
Faculty: Raju Thomas, MD Complications of Robotic and Laparoscopic Procedures

PLENARY SESSION TALK Wednesday, May 18, 2011
11:30- 12:00 p.m "The Fantastic Voyage : Advances in Robotic Surgery"
Moderator: Steve Nakada, MD
Duke Herrell, MD (Robotic Image guided therapy)
Ashok Hemal, MD (Robotic platform & equipment horizon)
Benjamin Lee, MD (Remote Robotic surgery)

AWARD WINNING VIDEO SESSION - Saturday May 14, 2011
10:30 AM - 12:00 PM Moderator: Benjamin R. Lee, MD

PODIUM: Stone Disease: New Technology/SWL, Ureteroscopic or Percutaneous Stone Removal II - Tuesday, May 17 , 2011 10:30 AM - 12:30 PM Moderator: Benjamin R. Lee, MD

Calling All Urologists in the Greater New Orleans Area

The annual AUA Update will be held this year at **Gautreau's Restaurant** (1728 Soniat Street -New Orleans, LA) on the second floor on **Tuesday June 7 at 6:30pm.**

This will be a great opportunity to receive an update on this year's AUA meeting.
Please call Demi (504 988-2794) to RSVP by June 3.

Robotic, Laparoscopic and Open Partial Nephrectomy Advances in last 300 Partial Nephrectomies

Nephron Sparing procedures for renal cell carcinoma have in many series proven to be equivalent to Radical Nephrectomy. This is especially true in patients that have tumors of 7cm or less in size. With the advent of advanced technology such as the da Vinci |Robot, the proliferation of Robotic Partial Nephrectomy has increased, but RPN is still considered an underutilized procedure. As such, there are far more Radical Nephrectomies being performed than is recommended, exposing the patient to the risks of chronic renal insufficiency, cardiovascular disease and proteinuria.

Dr. Benjamin R Lee, Professor of Urology recently reviewed a series of 300 patients operated on at Tulane Medical Center to assess outcomes. Warm ischemia time in the robotic partial nephrectomy group (n=105) was found to have lower ischemia time with an average of 19.5 minutes, compared to 30 minutes in the open partial nephrectomy group and 37 minutes in the laparoscopic partial nephrectomy group. Length of hospital stay was also found to be lower with 2.4 days in the robotic group, compared to 4.2 and 3.7 days in the open and laparoscopic group, respectively.

New advances in the technique have also included excising the tumor with zero ischemia time by using a laser for resection without clamping the vessels at all. This technique is being presented at the American Urological Meeting in Washington DC this May 2011. The advantage of no hilar clamping is decreasing the risks of ischemia to none, thus optimizing renal function and recovery even further.

The latest advance in the technique was the achievement of the first Robotic Single Port Partial Nephrectomy in the Gulf South, whereby through a single 3cm incision, the entire procedure of kidney dissection, exposure of the renal artery and vein, identification and excision of the mass with a warm ischemia time of 20 minutes. Single Port Robotic Partial Nephrectomy is the culmination of many years of advances in surgical technique. "Single Port Robotic Partial Nephrectomy may have a benefit in terms of cosmesis, less pain and recovery time," says Dr. Benjamin R. Lee, Professor of Urology. Further studies are continuing to investigate and refine the technique.



Single-Port Robotic Partial Nephrectomy setup at Tulane Medical Center

Where Are Our Faculty Now?

Gerald Domingue, PhD retired from our Department in 1997 and is presently in Switzerland. Dr. Domingue is a prolific painter, and he has decided to take a new turn in his career to focus on his art. Unfortunately, had a series of adverse cardiac problems and underwent open heart surgery while in Switzerland. Presently, he is in to an extended care facility in Zurich. He can be reached at: geraldldomingue7526@msn.com

Former Tulane Residents Successfully Complete ABU Exams

Congratulations to Dr. Melissa Walls-Montgomery and Dr. Richard Maytern for successfully completing part 2 of the ABU examinations.

Dr. Thomas Gets Inducted Into Prestigious Urologic Society

In April 2011, Dr. Raju Thomas, our Chair, was inducted into the American Association of Genito-Urinary Surgeons (AAGUS). With only 75 members in this prestigious group, this membership is a tribute to one's ultimate recognition in urologic surgical achievement. Congratulations to Dr. T.

New Editor Joins Tulane Urology



Tulane Urology is pleased to welcome Stephanie McAllister as Editor in the Department of Urology at Tulane University School of Medicine. Stephanie graduated from Louisiana State University with a degree in Geography, and brings a strong work ethic and superior attention to detail to the department. Stephanie complements our dedication to providing well written, thought provoking abstracts, reviews, and articles for several journals and publications throughout the world.

We are excited to have Stephanie join us here at Tulane.

Research Director Suresh Sikka, PhD Brings Another \$1.6 Million to Tulane Department of Urology

These grants recognize Dr. Sikka's efforts in bringing more research funding to the Department



Departmental Research Director Suresh Sikka, Ph.D., H.C.L.D., recently received two large checks (\$1,063,202 and \$585,830) for Tulane Urology. These funds are part of three ongoing grants totalling \$4.3 million, received by Dr. Sikka in the last 3 years

for a standardized training program and Central Reader Services in the area of Andrology.

Currently, semen analysis is a very tedious, non-standardized, and highly complex methodology that shows great variability when performed in a multicenter format. To combat such variability, Dr. Sikka established a unique standardized training program at Tulane University that has been very successful since 1999 to carry out FDA required

multicenter clinical trials sponsored by various pharmaceutical companies (e.g. Lilly-ICOS, Bayer, Bristol-Myers, Pfizer, Sanofi-Aventis, Warner-Chilcott). Since 1999, Dr. Sikka has trained nearly 250 laboratory technicians/clinical coordinators from the USA, Germany, South-Africa, and Canada. This has brought recognition to the department and institution for excellent and unique services, enriching the Tulane Urology & Andrology training programs.

In addition, our Andrology clinic, research, and teaching employs many specialized techniques (e.g., *Molecular Biology, Cytokines Microarrays, Genomics and Proteomics, Cell and tissue cultures, In vivo small animal models, Ex vivo organ bath preparation, Video-micrography & motion analysis, Laser Capture Microdissection, etc.*).

Dr. Sikka's Specialty Services

Male Infertility:

Diagnosis and Treatment
Assisted Reproduction Technology (ART)
Oxidative Stress and role of antioxidants
Testicular toxicology
DNA/ Chromosome evaluation in Forensic Applications

Sexual Health:

Erectile Dysfunction (ED)
Peyronie's disease
Male Aging - (Andropause, Hypogonadism, Testosterone replacement)

Prostate Health:

Prostate cancer
BPH/ Prostatitis - role of inflammation
Lower Urinary Tract Symptoms (LUTS)
Role of Oxidative Stress and role of antioxidants

2011 Edgar Burns Visiting Professor

Glenn M. Preminger, MD - Professor of Surgery, Duke University School of Medicine



Glenn M. Preminger received his M.D. degree from New York Medical College in 1977. After completing his Urologic training at the University of North Carolina in 1983, he was an AUA Scholar for 2 years in the Division of Mineral Metabolism at UT Southwestern Medical Center, concentrating on the medical management of nephrolithiasis. He spent 10 years on the Faculty in the Departments of Urology, Medicine and Radiology at UT Southwestern, Dallas.

In 1993, Dr. Preminger returned to North Carolina as Professor of Urologic Surgery, Director of the Comprehensive Kidney Stone Center, and Director of the Urology Residency Program at Duke University Medical Center.

His clinical interests include the minimally invasive management of urinary tract stones including shock wave lithotripsy, percutaneous and ureteroscopic stone removal. In addition, he coordinates the comprehensive metabolic evaluation and preventative medical treatment offered at the Duke Comprehensive Kidney Stone Center. Other clinical areas of interest include minimally invasive management of ureteropelvic junction obstruction and ureteral strictures, as well as alternative approaches for the management of benign prostatic hyperplasia.

Dr. Preminger has published more than 300 manuscripts, 100 book chapters and 8 books, as well as 30 videotapes that review complex endoscopic techniques. He is a member of 15 professional societies and holds Editorial positions with the JOURNAL OF UROLOGY, UROLOGY, the JOURNAL OF ENDOUROLOGY and UROLOGICAL RESEARCH. He has served as Co-Chairman of VIII International Symposium on Urolithiasis (1996), Co-Program Chairman of the 16th and 25th World Congress on Endourology (1998 & 2007), and Co-Chairman of the 1st and 2nd International Consultations on Stone Disease, (2001 & 2007). He is currently Chairman of the American Urological Association Nephrolithiasis Guidelines Panel, which has released four sets of guidelines for the management of staghorn calculi (1994), ureteral calculi (1997) staghorn calculi update (2004) and ureteral calculi update (2007). In 2004, he was named Co-Chairman of the joint AUA / EAU International Nephrolithiasis Guidelines Panel. He was awarded the 2008 AUA Residents Committee Teaching Award which recognizes outstanding urology educators who have dedicated part of their career to resident training and advancing urology graduate medical education.

In 2006, Dr. Preminger was named the Chair of the American Urological Association Office of Education, and is responsible for the quality and medical accuracy of the content of all educational course offerings of the 14,500 member Association.



Tulane Urology

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Find us online at:

myprostatecancer.com
cureforkidney.com
tulane.edu/som/departments/urology/

