Urology Residency Program

Chandru Sundaram, MD
Professor and Program Director
Director of Minimally Invasive Urologic Surgery
Department of Urology at Indiana University

High volume, high acuity care

- Urologic cancer
- Urinary reconstruction
- Pediatric reconstruction
- Minimally invasive surgery
Culture of Excellence in Resident training

- History
- Starts from the top
History http://urology.iupui.edu/legacy.html

- Wishard 1887-1936
  - Second AUA president 1904

- Mertz 1936-1953:
  - Residency program 1946

- Garrett 1953-1972

- Donohue 1972-1995

- Koch 1998-
Pediatric Urology
Indiana Pouch
Testis Cancer
## Hospital Comparisons

<table>
<thead>
<tr>
<th>Hospital</th>
<th>Beds</th>
<th>Strengths</th>
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</thead>
<tbody>
<tr>
<td><strong>IU hospital</strong></td>
<td>395</td>
<td>Oncology, MIS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Urinary reconstruction</td>
</tr>
<tr>
<td><strong>Riley hospital</strong></td>
<td>230</td>
<td>Pediatrics</td>
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<tr>
<td><strong>VA hospital</strong></td>
<td>137</td>
<td>General urology</td>
</tr>
<tr>
<td><strong>Wishard hospital</strong></td>
<td>518</td>
<td>General urology</td>
</tr>
<tr>
<td><strong>Methodist hospital</strong></td>
<td>820</td>
<td>Stone disease, MIS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Female urology</td>
</tr>
</tbody>
</table>
Adult Urology at IU

- **Michael Koch** - Oncology (prostate, bladder) and reconstruction
- **Richard Bihrle** - Oncology (testis and kidney) and reconstruction
- **Richard Foster** - Oncology (testis and bladder) and reconstruction
- **Tom Gardner** - Oncology (prostate and kidney) and research
- **Chandru Sundaram** - Minimally Invasive Surgery
- **Timothy Masterson** - Oncology
- **C.R. Powell** - Female Urology and Reconstructive Surgery
- **Matthew Mellon** - Reconstructive and Prosthetic Surgery
- **Clint Cary** - Oncology
Quality of faculty

- National and international standing
- Leadership positions in regional and national organizations
- Stability
- Growth - Indiana University Physicians Group
- IU Health: 18 hospital system
US News and World Report 2013

- Adult Urology     13
- Pediatric Urology  03

Top Docs: 7 faculty listed
Methodist Campus

- Located 1.0 miles northeast of IU campus
- 800 bed tertiary care hospital
- Emphasis on endourology, stone disease and MIS

- Dr. James Lingeman
- Dr. Ronald Borris
- Dr. Matthew Mellon
- Dr. Sandra McCabe

Urology of Indiana: Dr. Sam Thompson, Peter Knaap and others
Pediatric Urology

- Richard Rink
- Mark Cain
- Martin Kaefer
- Rosalia Messeri
- Benjamin Whittam
- Katherine Hubert
Riley Children’s Hospital

- 3rd largest children’s hospital in country
- New ROC completed in 2001
- Dedicated GU clinic
- New inpatient tower opened in 2011
VA Hospital

- Fully staffed daily
- Dedicated urology clinic
- 2 clinics/week
- Chief resident run
Simon IU Cancer Center
Program Structure

- Fully accredited by the ACGME
- 1/5 Program, 1 year general surgery at IU followed by 4 years of urology
- Take 4 residents per year from 2009
- Rotations at 5 institutions, all rotations are 3 months in duration and have 2 residents at a time
Preliminary year

- Must be done at Indiana University
- All GU interns rotate on urology for 3 months
# Rotations in 2013-2014

<table>
<thead>
<tr>
<th>Urology 1</th>
<th>IU Inpatient</th>
<th>Riley</th>
<th>Methodist</th>
<th>IU Clinic</th>
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<tr>
<td>Urology 2</td>
<td>VA</td>
<td>Flex</td>
<td>Wishard</td>
<td>IU Inpatient</td>
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<td>Peds</td>
<td>IU</td>
<td>Methodist</td>
<td>Flex</td>
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<td>Urology 4</td>
<td>IU1</td>
<td>IU2</td>
<td>VA</td>
<td>Wishard</td>
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</table>
Rotations: Recent Changes

- 16 residents from 2013
- Two teams at the University
- Flex rotations in Urology 2 and 3
  - Andrology
  - Research
  - North and West Hospitals
Fellows

- Pediatrics- 2 fellows, 1 clinical and 1 research
- GU oncology- 2 fellows, 1 clinical and 1 research
- Minimally invasive/laparoscopy- 1 clinical fellow
Resident Surgical Experience

- High surgical experience early in residency
- Resident directed surgical coverage
- Broad surgical experience in a wide variety of settings
- Dedication to residents as first priority
- Balance between Laparoscopy and Open Surgery
Laparoscopic Robotic Surgical Volume at IU Hospital
# Urology Program Report

**Reporting Period:** Total Experience of Residents Completing Programs in 2012-2013  
**Residency Review Committee for Urology**  
**Report Date:** September 10, 2013

**Program=4801721051** - Indiana University School of Medicine Program

<table>
<thead>
<tr>
<th>Program in the Nation: 119</th>
<th>Residents in the Nation: 270</th>
<th>Residents in this Program: 2</th>
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<tr>
<th>Index Procedure</th>
<th>Min Req</th>
<th>Prog Min</th>
<th>Prog Max</th>
<th>Prog Perc</th>
<th>Natl Prog Min</th>
<th>Natl Prog Max</th>
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<td>- Hypospadias</td>
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<td>- Ureter</td>
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<td>Laparoscopic surgery</td>
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</tbody>
</table>
RRC Review 2010

- 5 year accreditation
- Without any citations
GMEC Internal Review 2012

- No concerns
- Very complimentary feedback

Resident survey:

- “I would like to work for more than 80 hours”
Robotics Program

- 3 surgeons with robotics training at IU
- 25-30 cases per month currently
- Active resident participation/console time
- 2 daVinci Si, HD robots with backpack simulator at IU Hospital
- One daVinci S at Methodist and a Standard in the animal lab
- daVinci Si with teaching console to be installed at VA in early 2013
Weekend Robotic Training Simulation Lab
Animal Lab
Moi University Kenya/IU Partnership

- Annual or biannual visits by residents/faculty
Moi University Kenya/IU Partnership

- Annual or biannual visits by residents/faculty
Conferences

- Garrett, Donohue and Wishard visiting professorships
- Journal club (monthly)
- Morbidity and Mortality (monthly)
- Uropathology (monthly in board format)
- Uroradiology (weekly in board format)
- Didactic lecture series (weekly, resident and faculty)
- Multidisciplinary cancer conference (weekly)
- Pediatric urology conference (weekly)
- Uro-oncology journal club (bi-monthly)
Donohue Professorship 2012
Dr. William Catalona
Clinical Research

- Databases in
  - Testis cancer
  - Prostate Cancer
  - Laparoscopic and Robotic surgery

- All residents required to submit 1 paper for publication every year during residency

- Expect all residents to present at regional and national urology meetings

- Database manager
Resident Support

- Resident office equipped with computer, internet access
- Educational materials (AUA computer based educational programs, SASP, AUA update series, etc)
- Educational allowance for travel, books, etc.
- Chiefs and PGY3 attend review course
- Clinical support: Pre-op nurse, Two Hospital PAs
2012 ISE and summer exam
New in 2013

- Urology offices and clinic
- Residents office
- Meeting Room
Mentorship program
33-35 graduates

5/5 for how the residency prepared them for practice in urology
Graduating chief residents

2011:
- Urologic Oncology fellowship at UCSF
- Private practice in Louisville and Cincinnati

2012:
- Faculty at Indiana University
- Private practice in Jasper, IN and Scottsdale, AZ

2013:
- Fellowship in MIS and Pediatric urology at IU

2014:
- MSKCC Fellowship in oncology
- PP in Souix City, Iowa, College Station, Texas and Ann Arbor, MI.
Why Indiana University?

- Unparalleled surgical experience
- Resident focus
- Broadly based program with early surgical exposure
- Growing department with expanding patient base and strong hospital system
- Expanding research program with clinical focus
- General hospital systems which allow resident independence (Wishard and VA)
- Great city to live and work in
GAME ON IN INDIY!

OUR COMMUNITY WINS SUPER BOWL XLVI!

LUCAS OIL STADIUM

HOME OF SUPER BOWL 2012
Racing Capital
Indianapolis

- 1.5 million population in a state of 7.5 million
- Thriving inner city with active convention program
- Most residents live within 5 miles of campus
- Low crime
- Opera, symphony, Rep theater
Interviews

- Meet with chair and full-time faculty
- Residents available all day in shifts
- Lunch break
- 3 Tour during interviews
- Robotic Simulator
- Relaxing evening tonight
Match Rules

- We Follow the Rules
Thank you and Welcome

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