Course: Urology (SUR 1603)

Department: Urology

Faculty Coordinator: Gary Lemack, M.D., J8.122, 214-648-7190, FAX 214-648-8786

Hospitals: PHHS, UMC, CMC Periods offered:

All Length: 4 weeks

Max no of students: 8 (UTSW Students Max: 2\ Visiting Students Max: 6)

First Day Contact: Mary Harrison, 214-648-2450

First Day Time: 8 a.m. First Day Place: Urology department J8.148.

Student will receive monthly schedule prior to start date but should check in with Ms. Harrison on first day of rotation.

Prerequisites: Completion of 2ND-year medical school curriculum

I. Course Description

This rotation will expose the student to the discipline of Urological Surgery. Students will participate in all aspects of patient care at Parkland, the University Hospitals, and Children’s Medical Center. The rotating student will be exposed to multiple aspects of Urology through various didactic sessions, conferences, outpatient clinics, inpatient rounds, and the operating room. The main focus of this elective is to enhance exposure to the surgical aspects of urology. As such, students will primarily spend time in the hospital setting at Childrens, Parkland and Zale, focusing on pre-operative, intra-operative and postoperative care of urological patients. It is primarily designed for students who have already decided upon a career in urology and are looking to further increase their exposure to the surgical aspects of the field.

II. Course Goals and Objective

PATIENT CARE

- To impart to the student a method of approach to the diagnosis and treatment of diseases of the genitourinary tract in an inpatient setting.
- To learn by hands-on instruction how to perform a proper examination of the external genitalia, including the prostate gland by digital rectal examination. To learn to pass a urethral catheter properly.
- To assist in the diagnosis and treatment of complex genitourinary disorders.
- Guide students in developing therapeutic plans for patients’ pre-operatively.
- Guide students to participate in operative procedures understanding intraoperative decision-making and potential complications.

MEDICAL KNOWLEDGE
To come away with a knowledge of how to approach patients with problems in the following areas:

- Infections (and how to differentiate serious from uncomplicated urinary tract infections),
- Stone disease,
- Cancer (kidney, ureter, bladder)
- Congenital anomalies (pediatric urology).

To become familiar with the instruments used in the field of urology for diagnosis and treatment.

Encourage students to broaden knowledge through independent study tools, reading assignments, and topic presentations.

PRACTICE-BASED LEARNING AND IMPROVEMENT

- Expose the students to quality assurance programs
- Demonstrate clinical decision making and review that is evidence-based
- Guide the student in assessment of outcomes

INTERPERSONAL AND COMMUNICATION SKILLS

- Develop the student’s ability to obtain a complete urological history and physical exam, while being aware to the sensitive nature of many urological conditions
- Demonstrate communication with families and patients in the peri-operative setting

PROFESSIONALISM

- Demonstrate to the students a respect and compassion for each individual patient
-Expose the students to ethical dilemmas, encouraging analysis and personal reflection
- Demonstrate integrity in all aspects of the surgical and clinical practice

SYSTEMS-BASED PRACTICE

- Expose students to the various health care settings that pertain to the field of Urology
- Expose the students to a multidisciplinary approach to urological problems
- Enhance the students’ understanding of the roles of others in the health care community to assure optimum care for the patient.

II. Methods of Instruction:

A). Didactic (Schedule, topic, faculty) The following is a schedule of Urology conferences: - 1st, 2nd, 4th, 5th Tuesdays from 6:00-7:00 pm-Urology Lecture Series - 3rd Tuesday from 5:00-6:00 pm-M&M Conference - 3rd Tuesday from 6:30-9:30-Urology Journal Club - Every Tuesday from 5:00-6:00 pm-Urology Pre-Op Conference - Every Wednesday from 7:00-8:00 am - Urology Grand Rounds
B). Clinical (schedule, faculty teaching, housestaff teaching) Variable rotation through adult and pediatric urology services. Full participation on rounds and in the operating room.

C). Student Responsibilities (and to whom accountable) Accountable to Dr. Gary Lemack to demonstrate grasp of the concept of the range of genitourinary disorders and to demonstrate that the student possesses a modicum of information on how to approach the wide range of treatment of genitourinary disorders.

It is expected that they will give a 20 minute presentation at Grand Rounds, with topic to be determined in consultation with a faculty member.

III. Method of evaluation of students:

• Observation of daily rounds and performance in the operating room.
• Reports from residents working with the student
• Personal observation during one-to-one discussions in conferences each week