

Urology

Chair

- Karl Kreder

Website: <https://urology.medicine.uiowa.edu/>

Urology encompasses the subspecialty areas of urologic nephrology, oncology, and endocrinology; male reproductive physiology; erectile dysfunction; neurourology; pediatric urology; urinary tract stone and infection, including endourology; laparoscopic and robotic urology; trauma and reconstructive urology; urodynamics and female urology; diagnostic urology; and urinary tract obstruction.

The Department of Urology offers instruction in all of these areas to MD and graduate students and provides continuing education for the delivery of urologic care.

Continuing Education

The department offers continuing education activities throughout the year for urologic and family practitioners. These activities are conducted by the faculty, whose interests include pediatric urology, reproductive physiology and male infertility, urologic oncology, urinary tract stone (including endourology/laparoscopy), robotic surgical procedures, trauma and reconstructive urology, female urology, and prostatic diseases.

Research

The department has earned international recognition for its studies of prostatic diseases. The urological laboratories conduct research and offer instruction in experimental oncology, cellular immunology, and infertility.

MD Training

The Department of Urology cooperates with several University of Iowa basic science departments to educate first-year MD students on the relationship between urology and the basic sciences. It collaborates with the Department of Microbiology and Immunology in teaching and research concerning the immunology of genitourinary cancers and renal transplantation.

In the first-year MD course, MED:8134 Mechanisms of Health and Disease III, and the second-year courses, MED:8221 Clinical and Professional Skills III and MED:8224 Mechanisms of Health and Disease Keystone, the department presents illustrative lectures and demonstrations related to the diagnosis and treatment of genitourinary tract diseases.

Second-, third-, and fourth-year MD students take Department of Urology courses that provide experience in all areas of urology. The department's selective two-week clerkship covers the fundamentals of these areas through experience in outpatient clinics, surgical settings, and inpatient units at University of Iowa Health Care, the Iowa River Landing, and the VA Iowa City Health Care. MD students can take advanced elective courses of intensive study in any of the urologic subspecialties after completion of URO:8301 Clinical Urology.

Courses

Urology Courses

- URO:8301 Clinical Urology** **2 s.h.**
Work in urology unit, clinic; responsibility for patient care, working with residents.
- URO:8401 Advanced Urology** **4 s.h.**
Experience as integral member of urological staff, junior resident level. Requirements: MD enrollment.
- URO:8402 Pediatric Urology** **2,4 s.h.**
In-depth study of pediatric urology topics. Requirements: MD enrollment.
- URO:8403 Urologic Oncology** **2,4 s.h.**
Multispecialty exposure to diagnosis and treatment of patients with current and newly diagnosed urologic malignancies. Requirements: MD enrollment.
- URO:8404 Female Pelvic Floor Dysfunction** **2,4 s.h.**
Requirements: MD enrollment.
- URO:8497 Research in Urology** **arr.**
Medical research, clinical or laboratory projects; individual study.
- URO:8498 Urology On Campus** **arr.**
Clinical clerkship; individually arranged by student with departmental approval.
- URO:8499 Urology Off Campus** **arr.**
Individually arranged by students with department approval.