Urology

（Code: 4844, 1st – 2nd year, 4 units）

(Course ID: GS－c4844－S)

1. Instructors

Name	Position	Department	Contact Information
FUJII Yasuhisa	Chief Instructor / Professor	Department of Urology	y-fujii.uro@tmd.ac.jp
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2. Classroom/Lab Lecture Location

Check the locations announced at the beginning of the academic year.

3. Course Purpose and Outline

Urology is a surgical specialty that focuses on the urinary tracts, and the male reproductive system. The organs covered by urology include the kidneys, adrenal glands, ureters, urinary bladder, urethra and the male reproductive organs (testes, epididymis, vas deferens, seminal vesicles, prostate and penis). Urology is closely related to, and in some cases overlaps with, diverse medical fields including oncology, nephrology, gynecology, andrology, neurology, pediatric surgery, gastroenterology and endocrinology. Minimally invasive surgery for urological disorders has been one of the most important topics in this field.

4. Course Objectives

By the end of this course, students shall understand the pathophysiology, means of diagnosis and treatment of various urological disorders, and be able to appropriately diagnose, treat and manage patients with these diseases. Students will also learn how to conduct surgery using the da Vinci surgical system, the global standard of robotic-assisted surgery, as well as gasless single-port RoboSurgeon surgery, one of the minimally invasive surgeries, that has been implemented in our department. Through basic and clinical research, students will make new findings which will lead to the improvement of oncological and functional outcomes as well as the QoL of patients with urological diseases.

5. Format

A small class where students will learn through mutual discussion.

6. Course Details

The urinary tracts and the male reproductive system are well controlled by the automatic and somatic nervous systems and the endocrine system. Students will learn about these modulating systems, the destruction of which will lead to various urologic symptoms and diseases. The etiology, diagnosis and treatment of urologic malignant diseases will also be covered.
Clinical Conference: Every Thursday 5:00 – 6:00 PM
Case Conference: Every Thursday 7:00 – 9:00 AM

Check the schedule announced at the beginning of the academic year for journal clubs, lectures and special lectures.

7. Assessment

An overall assessment comprising of class participation (knowledge and understanding of the specialty field, content of presentations and Q&A) (50%) and involvement in research (50%) will be made.

8. Prerequisite Reading

It is preferable to acquire basic knowledge of urologic diseases and basic research skills before admission.

9. Reference Materials

Kazunori Kihara edited, Gasless Single-Port RoboSurgeon Surgery in Urology, Springer
Kazunori Kihara edited, Gasless single-port retroperitoneoscopic surgery in urology : with robosurgeon in mind, Igaku Tosho Shuppan
CAMPBELL-WALSH UROLOGY, 12th EDITION, ELSEVIER
European Association of Urology Guidelines, https://uroweb.org/guidelines/

10. Language Used

All classes are conducted in English.

11. Office Hours

Mon – Fri: 9:00 AM – 5:00 PM
Contact: FUJII Yasuhisa, Department of Urology
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Please contact the instructor regarding questions or consultations.

12. Note(s) to Students

None.