UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Urology

2324-4-H4102D029-H4102D112M

Aims

The course will provide the essential and up-to-date theoretical knowledge of the clinical diagnosis and management of the most common urological diseases and syndromes. The course will focus on epidemiology, diagnosis and treatment of the most common urological pathologies. Moreover, signs and symptoms, clinical management and therapeutic options of urological diseases will be described, addressing the learning needs for general medical practice.

Contents

The lessons will cover the most important urological syndromes: benign prostatic hyperplasia and other causes of bladder outlet obstruction, urinary stones and other causes of upper urinary tract obstruction. Students will acquire the basic knowledge required to diagnose and manage the main uro-oncological pathologies: prostate, kidney, bladder and testicular cancers. Urinary infection and andrological disorders will be covered within the Clerkship 7 teaching. Urological emergency will be covered within the Emergency course. All these arguments will be considered part of the required knowledge.

Detailed program

- Physical examination in urology

- Diagnostic tools in urology: laboratory tests, imaging tools, invasive procedures.

- Anatomy of the kidney, of the bladder, of the upper urinary tract and of the prostate.

- Physiology and physiopathology of the bladder emptying: benign prostatic hyperplasia (BPH) and lower urinary tract symptoms (LUTS); other causes of bladder dysfunction (bladder neck sclerosis and urethral strictures).

- Prostate cancer

- Kidney cancer (benign and malignant)

- Upper tract urothelial cancer

- Bladder cancer

- Testicular cancer

- Kidney and ureteral stones (upper urinary tract obstructive syndrome)

- Urinary tract infection. orchitis, acute prostatitis

- Congenital disorders: pyeloureteral junction obstruction, vesicle-ureteral reflux, horseshoe kidney, hypospadia

- Emergency: kidney, ureteral and bladder trauma, urethral and testicular trauma

- Emergency: testicular torsion, acute urinary retention, obstructive anuria.

- Andrology: erectile disfunction, induratio penis plastica and recurvatum of the penis, varicocele, hydrocele.

Prerequisites

Basic knowledge of fundamentals of biology, genetics, histology, anatomy, physiology and pathological anatomy of the uro-genital system.

Teaching form

Frontal lessons with audio-visual aids and open discussion in the classroom.

Frontal lessons are intended to prepare the students for Problem Based Learning activities that will be coverd during the Clerkship 7 attendance.

Textbook and teaching resource

- Smith and Tanagho's General Urology - 18th Edition - LANGE Editore
- Slides and any other educational material presented during the frontal lessons will be available for the students.

Semester

Second semester

Assessment method

Urological learning will be tested through a written and oral examination during a comprehensive exam of the Endocrine, Kidney ad Urinary Tract Diseases course.

For detailed exam modalities see the Syllabus of Endocrine, Kidney ad Urinary Tract Diseases course.

Office hours

By email appointment at luigi.dapozzo@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY