Syllabus: Clinical Urology (161502503)

Fifth-year undergraduate

First & Second Semester 2025 /2026

COURSE INFORMATION	
Course Name: Clinical Urology **Semester:** First & Second **Department:** General Surgery,Urology and Anesthesia **Faculty: Medicine**	**Course Code: 161502503** **Section:** urology **Core Curriculum**: Practical sessions and Lectures
Day(s) and Time(s): Sunday-Thursday: 8:00-16:00 **Classroom:** 1. Prince Hamza Hospital 2. New Zarqa Governmental Hospital 3. Al Basheer Hospitals	**Credit Hours:** 2.25 **Prerequisites**: None

COURSE DESCRIPTION

Urology is the branch of medicine that deals with dysfunction of the urinary system and of the male genitalia. Regardless of career intentions, junior doctors will meet patients with urological problems on the wards, in the emergency department and in primary care.

At least 5-10% of GP visits, and 20% of acute hospital surgical referrals, involve patients with urological problems but, until now, there has been no nationally-agreed, undergraduate curriculum for urology.

Experience on core practical skills, such as catheterization, is lacking and many newly-qualified doctors are not confident about managing basic, urological problems. The main aim of this Syllabus is to advise on those common clinical areas

of urology that are generic to the majority of practicing doctors, and that must be covered during undergraduate medical training

DELIVERY METHODS

The course will be delivered through a combination of active learning strategies. These will include:

- PowerPoint lectures and active classroom based discussion or online sessions
- Collaborative learning through small groups acting in an interdisciplinary context.
- Video lectures
- E-learning resources: e-reading assignments and practice quizzes through Model and Microsoft Team

FACULTY INFORMATION

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REFERENCES AND LEARNING RESOURCES

Required Textbook: **Smith And Tanagho's General Urology, 19th Edition**

ISBN: 9781259834332 Authors: Jack W. McAninch, Tom F. Lue

Useful Web Resources: https://www.auanet.org/guidelines

REQUIREMENTS OF UNDERGRADUATE TRAINING IN UROLOGY

At the end of medical training, all medical students should be familiar with the presentation and safe, initial management of the following:

Condition	Presentation and management	Assessment Method
1. Acute urinary tract stone disease	• Recognize the patient presenting with acute ureteric colic, ureteric obstruction & sepsis • Manage the initial assessment appropriately • Understand the appropriate investigations (CT, IVU or ultrasound)	• Exams • Clinic cases • Seminar presentations • homework assignments
2. Acute (or chronic) abdominal pain referable to the urinary tract (e.g. retention)	• Have awareness of the urological causes of abdominal pain • Be familiar with appropriate investigations in both the emergency & outpatient setting • Understand (and be competent) in the insertion of a urethral catheter in both sexes	• Exams • In clinic cases • In OR patients • On-line video demonstration

3. Lower urinary tract symptoms (LUTS) in male & female patients	• Understand the causes of LUTS in male & female patients • Be familiar with first-line investigations • Be familiar with basic outpatient treatment for bladder outflow obstruction & detrusor over-activity	• Exams • In Clinic cases • "On-line' reading assignments • homework assignments
4. Hematuria	• Understand the common causes of hematuria • Be able to assess the patient with hematuria • Be able to initiate the management of hematuria	• Exams • In Clinic cases • "On-line' reading assignments • homework assignments
5. Urinary tract infection (UTI)	• Understand the causes & types of UTI • Understand the basic investigations for UTI • Be able to recognize surgical UTI from simple medical UTI	• Exams • Clinic cases • Seminar presentations • homework assignments
6. Scrotal swelling & pain	• Understand the causes and initial management of scrotal swelling & scrotal pain • To understand well the differences between testicular torsion and epididymo-orchitis.	• Exams • Clinic cases • Seminar presentations • homework assignments
7. Urinary incontinence in male & female patients	• Understand the causes of urinary incontinence in male & female patients • Be able to differentiate between stress & urge incontinence	• Exams • Clinic cases • Seminar presentations • homework assignments
8. Urological cancers (including kidney, bladder, prostate, penis & testis)	• Understand how urological malignancies present • Be able to recognize tumors of the kidney, bladder, prostate, penis & testis • Understand the appropriate investigations for the above cancers • Understand the role of PSA testing and testicular tumor markers	• Exams • Clinic cases • Seminar presentations • homework assignments
9. Common urological conditions of childhood	• Have an awareness of the most common urological problems in childhood (including UTI, undescended testis, phimosis & acute scrotal pain/swelling)	• Exams • Clinic cases • Seminar presentations • homework assignments

COURSE ASSESSMENT

Course Calendar and Assessment

Students will be graded through the following means of assessment and their final grade will be calculated from the forms of assessment as listed below with their grade weighting taken into account. The criteria for grading are listed at the end of the syllabus

Assessment	Grade Weighting	Deadline Assessment
Evaluation and attendance	20%	Last day of every rotation
End of rotation Clinical Exam	35%	Last day of every rotation
Final Exam	45%	The end of the year

Grades are not negotiable and are awarded according to the following criteria:

Letter Grade	Description	Grade Points
A+	Excellent	4.00
A		3.75
A-		3.50
B+	Very Good	3.25
B		3.00
B-		2.75
C+	Good	2.50
C		2.25
C-		2.00
D+	Pass	1.75
D	Pass	1.50
F	Fail	0.00
I	Incomplete	-

LECTURE SCHEDULE AND CONTENT DISTRIBUTION

All theoretical lectures will be given in the Medical College in the university or as an online teaching sessions.

Subject	Lecturer
Presentations in urology	Dr. Hassan

Renal Masses	Dr. Murad
Urolithiasis	Dr. Jad
BPH	Dr. Yaman
Bladder Ca	Dr. Hassan
Benign Scrotal Conditions	Dr. Murad
Testicular Cancers	Dr. Jad
Prostate Cancer	Dr. Yaman

Program Director:

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