

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Urology (0605115)
Course number	MEDI5258
Faculty	
Department	
Course type	Major Needs
Course level	5
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - Urology for medical students is an hour credit hours course to be delivered to the 5th year medical students. This course is structured to cover both the essential basic urology knowledge and the clinical skills. It entails the common urological diseases considering the clinical presentations, related investigations and the treatment accordingly. This syllabus is of two main parts. The theoretical part in the form of structured lectures and related activities and the clinical part composed of discussing basic steps in history taking and examination of a urology case in addition to discussing different laboratory investigations and imaging modalities. Different scenarios of the wide variety of presentation of patients both in adults and pediatric age group will be discussed in addition to different lines of management and By the end of this syllabus, the following is expected to be mastered i :
- 2 - Development of urinary system and congenital anomalies
- 3 - Anatomy and functions of the kidney
- 4 - Principles of diagnostic procedures in urology
- 5 - Symptomatology of renal system
- 6 - Urolithiasis
- 7 - Urinary tract infections
- 8 - Renal trauma
- 9 - Urolithial tumors
- 10 - Prostate; prostatitis,SEP,tumors
- 11 - Testicular diseases; maldescent,torsion,infections,tumors
- 12 - Renal Transplant, overview
- 13 - Clinical cases of urinary tract infection
- 14 - Clinical cases of urolithiasis
- 15 - Clinical cases of haematuria
- 16 - Clinical cases pregnancy related urological problems
- 17 - Clinical cases of urolithial tumor
- 18 - Clinical cases renal trauma
- 19 - Clinical manifestations of acute scrotum
- 20 - Clinical manifestations of prostatic disorders

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * to understand the embryology and development of genito-urinary system and related congenital anomalies * to know details of the vital functions of the kidney * to understand pathogenesis of renal stones/ related investigations and lines of management * to know the wide range of urinary tract infections; causes, diagnosis and management * to know the different urolithial and testicular neoplasms and management * to be oriented with the different disorders of prostate
Intellectual Skills	<ul style="list-style-type: none"> * Mastering the approach to urology patients in an ethical confident manner * Building capacity to discuss and interpret patient's clinical picture with related investigations * Reaching precise correct decisions in patient's management * Knowing the ethical principles in history taking and clinical examination of a urology patient
Professional Skills	<ul style="list-style-type: none"> * To know how to gain and dig for knowledge * To know how to solve a patient's clinical problem * To be able to some urology procedure him/her self supervised by a senior * To be able to prepare and do presentation of a urology topic * To know how to approach his/her patients * To know to deal with his/her colleagues
General Skill	<ul style="list-style-type: none"> * To learn how to attend a urology session eg a surgical procedure or specific investigation * To know the rules personal protection during some urology procedures eg imaging techniques or urine or blood spill out * To build capacity in searching for knowledge and skills * To build capacity in searching for knowledge and skills

Course Contents

1 - Embryology of Renal System, overview
2 - conge anomalies of urogenital system
3 - Surgical anatomy of kidney
4 - Functions of the Kidney
5 - Laboratory investigations and Imaging modalities in Urology
6 - Symptoms and signs of urinary tract disease
7 - Clinicial Examination of renal system
8 - Anurea; causes, clinical syndromes and management
9 - Haematuria; causes, clinical syndromes and management
10 - Uolithiasis; pathogenesis, management
11 - Obstructive uropathy
12 - Urinary tract infections
13 - Urogenital tumors
14 - Prostatic gland diseases; senile enlargement of prostate, prostatitis, Prostatic carcinoma
15 - Clinical scenarios of different urological diseases

Teaching and Learning Methods

- 1 - Straight lectures
- 2 - Questions and answers
- 3 - Problem solving and brain storming
- 4 - Audio-visual presentation
- 5 - Clinical scenario discussion
- 6 - Case presentations and patients examination

Teaching and Learning Methods for the Disabled Students

- 1 - No disabled medical student so far

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Midterm Exam (written)	Late Jan 2017	40%
Final Exam (written)	June 2017	50%
Participation and attendance	Although the course	10%

Books and References

Course note	This is two credit hour clerkship offered during the 5th year , students taught how to take urological history and perform examination of urological system , it also involves seminars and course discussion on the diagnosis and treatment of common urological problems . students receive evaluation addition to written examination
Essential books	Compbell-Walsh urology, 11thedition Bailey and love's short text book of surgery,26th edition
Recommended books	Compbell-Walsh urology, 11thedition Bailey and love's short text book of surgery,26th edition
Other References (Periodical, web sites, etc.)	Sobhi Skaik, 2016. Lecture notes, urology for medical students