

Diploma UROLOGY COURSE

**University: Al-Azhar
Faculty of Medicine**

Urology Department

1- course data		
course Code Uro 700	Course title Diploma	Academic year / Level postgraduate
Specialization Urology Department	Number of instructional units 7 hrs Practical: 12 hrs Total: 19 hrs	diploma

2-Course aim:	<ul style="list-style-type: none"> • To introduce students to the principles of the practice Urology. • Students should attain a level of clinical competence sufficient to allow them differentiate between the different entities of urological disorders. • Enable students to develop an appreciation of the difference in management and treatment of urologic diseases in the community and to comprehend the basics of management of male infertility.
3- Intended learning outcomes of course (ILOs)	
a- Knowledge and understanding:	By the end of the course the students should be able to

a1. Understand the underlying pathophysiology and immunology of common urologic diseases.

a2. Get the skills to talk Urologic medical history as history taking, physical examination and organizing general and radiologic investigation as regard to patient complaint

a3. Recognize the types of Genitourinary Trauma:

1- Renal Trauma

2- Ureteric Trauma

3- Bladder Trauma

4- Urethral Trauma

5- Genital Trauma

a4. List the etiological factors of urolithiasis.

a5. Enumerate the lines of prevention of stone recurrence.

a6. Discuss Composition of Urinary Stones and the corresponding X-ray density for each.

a7. Mention conditions that may predispose to formation of uric acid stones.

a8. mention the possible complication of presence of urinary tract calculi

a9. state the clinical manifestations of upper urinary tract stones

a10. Outline the investigations ordered for a young wife presenting in her first trimester with renal colic and history of stone passage.

a11. Discuss the proper management of a young man presenting to the ER with anuria

	<p>for 24 hours following recurrent attack of bilateral renal colic.</p> <p>a12. Outline treatment options for a kidney stone.</p> <p>a13. Outline general measures for prevention of stone recurrence.</p> <p>a14. Enumerate the followings:</p> <ul style="list-style-type: none">i) LUTS definitions and path physiologyii) Management of BPH <p>a14. Recognize the basic principle of Urogenital Upper (renal and ureteric) and lower Neoplasms (bladder and prostate)</p> <p>a15. describe the etiology, clinical picture, diagnosis and management of Urogenital Infections either specific or non specific</p> <p>a16. interpretate the different urologic Jars.</p> <p>a17. recognize urologic radiology interpretations:</p> <ul style="list-style-type: none">• Plain UT• IVU• Ultrasound examination• CT and MRI overview
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	<p>a18. recognize the principals of</p> <ul style="list-style-type: none"> - urethral catheter fixation and its complications. -Urologic emergencies and their significance: - Anuria! Retention, Hematuria, Urogenital trauma. -DRE (digital rectal examination) - Urethral Catheter - ESWL - Antibiotics, antifungal and antiviral commonly used in urology. <p>a19. understanding the basic principals of causes, diagnosis , and management of male infertility ,Enclusing Interpretations of semen analysis as regard WHO guideline 2010</p> <p>a20. overview on Sexual medicine: recognize sexual cycle , its dysfunction and ejaculatory dysfunctions</p>
b- Intellectual skills	<p>ability to</p> <ul style="list-style-type: none"> b1. reason critically b2 cope with change and doubt b3 adopt more than one approach to a problem b4 write clearly b5 make a presentation and engage in a discussion; b6 a capacity for self-organization.
c-professional informations	<ul style="list-style-type: none"> c1. Be able to appreciate potentially life threatening urologic diseases c.2 Take and present an appropriate and reliable history. c.3 Examine the urogenital systematically and describe the physical signs.

	<p>c.4 Differentiate between different urologic diseases affecting the same regions in the body or causing nearly similar clinical picture.</p> <p>c.5 Communicate relevant information from the history, physical examination and routine investigations on all their dermatological patients in an organized manner,</p> <p>c.6 Take an expressed prostatic secretion for virology or microbiology</p> <p>c.7 recognize by inspection different common urologic disease as varicocele, and hydrocele.</p> <p>c.8 Write a prescription for selected urologic prescriptions as UTI treatment.</p> <p>C9. perform lower endourologic procedures</p> <p>C10. perform minor open urologic procedures and assist in major procedures</p>
d- General and transferable skills	<p>d1. Demonstrate ability to communicate with patients with urologic diseases.</p> <p>d2. use information technology effectively.</p> <p>d3. develop an ability for self-learning in a developing world.</p> <p>d4. apply appropriate knowledge, skills and attitudes for effective patient care</p> <p>d5. Recognize the direct and indirect cost of skin disease to the patient and the community.</p>
COURSE CONTENT	obstructive uropathy and urolithiasis

	<p>Retention of urine Hydronephrosis and infected hydronephrosis Hematuria BPH urogenital trauma Specific and non specific infection of Genitourinary tract(GUT) Inflammatory conditions of GUT Muscle invasive and non invasive bladder cancer Renal tumours Testicular tumors Voiding dysfunctions Pediatric hydronephrosis hypospadias Disorders of testis and scrotum Stress incontinence Overactive bladder Male infertility Erectile dysfunction</p>
Teaching and learning methods	<p>1 Lectures 2 clinical rounds 3 outpatients and inpatients</p>
Student assessment methods	<ul style="list-style-type: none"> • Prepare a thesis as recommended by the committee • Final exam which include: <ul style="list-style-type: none"> – Urology exam (two paper) - Surgical pathology & surgical anatomy
Weighting of assessments	<ul style="list-style-type: none"> • Second Exam <ul style="list-style-type: none"> -Written - Oral -Clinical -operative exam

6- List of references	Essential books (text books) Smith's textbook of Urology Campbell's textbook of Urology For all books listed the latest edition is recommended.
Periodicals, Websites	www.ernedicine.com www.medscape.com www.urotoday.com
7- Facilities required for teaching and learning	<ul style="list-style-type: none"> • Main lecture hall in the hospital. • 1 hall for the clinical round • Whiteboards • Slides of clinical cases • Slide projector of the hospital • Data show of the hospital • Computer in the department
Action plan	<ul style="list-style-type: none"> • Scientific researches for students on recent topics in urology • Prepare an <i>undergraduate student urology notes</i>

Course coordinator: Prof.Dr/Ahmed Fahim

Head of Department: Prof Dr / Hussein galal

Date: / 11 /2014