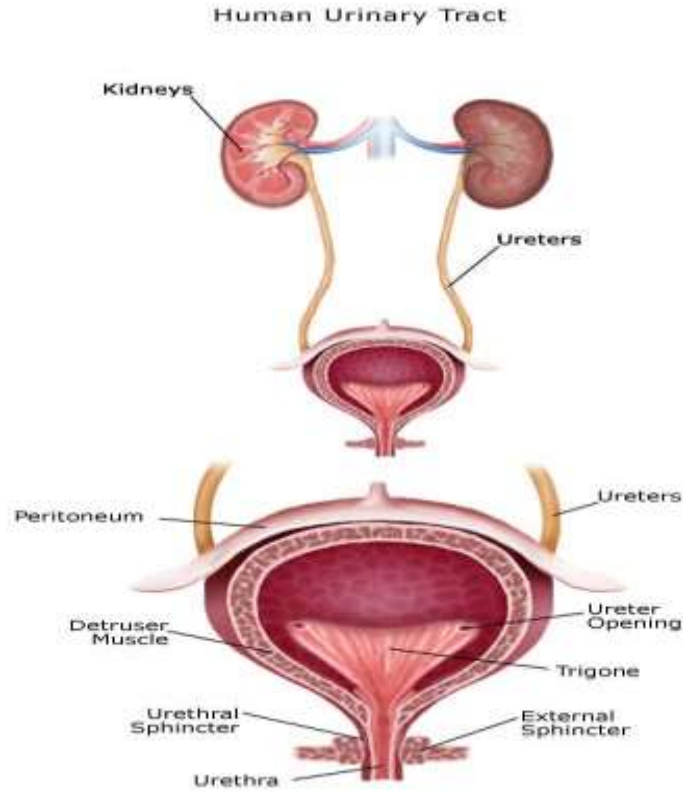


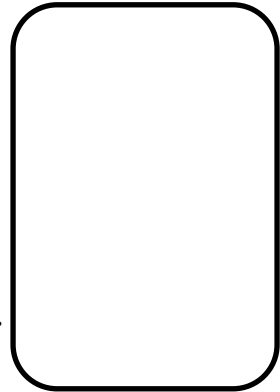
# Master Degree of Urology Log Book



" كراسة الأنشطة "  
اللازمة لحصول المتدرب على درجة الماجستير في  
المسالك البولية  
2022-2023

## Personal Data

Name.....  
 Date of birth.....  
 Address.....  
 Place of work.....  
 Telephones.....Mobile phone(s).....  
 E mail.....



Name of hospital	Period of work	Hospital director signature

## Academic Information

MBBCh...../...../..... University

Grade .....

Grade of General surgery course on graduation

.....

Others...../...../..... University

...../...../..... University

**\* Aim of the activities book**

To provide one source of evidence for the assessment committee that you attained the desired level of competency required to gain the award.

In this book you will document all clinical, academic and other experiences and skills you attained during your training.

<b>Program aims</b>
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1/1 To enable candidates to acquire high level of clinical and Urology skills, in addition to update medical knowledge as well as clinical experience.

1/2 To enable candidates to diagnose and manage urological emergencies and genitourinary trauma efficiently.

1/3 Provide candidates with fundamental knowledge and initial experience to deal with various types of endoscopy in urology.

1/4 To introduce candidates to the basics of scientific medical research.

1/5 Enable candidates to start professional careers as specialists in Egypt but recognized as specialists abroad.

1/6 To enable candidates to pursue higher studies and subspecialties.

1/7 To enable candidates to understand and get the best of published scientific research and do their own.

## Curriculum Structure:

Duration of program 36 months divided into

## Program Structure

### Program Time Table

Duration of program 3 years maximally 5 years divided into

- Part 1

Program-related basic science courses and ILOs + elective courses

Students are allowed to set the exams of these courses after 12 months from applying to the M Sc degree.

- Thesis

For the M Sc thesis;

MSc thesis subject should be officially registered within 6 months from application to the MSc degree,

Discussion and acceptance of the thesis should not be set **before 12 months** from registering the M Sc subject;

It could be discussed and accepted before passing the second part of examination)

- Part 2

Program –related speciality courses and ILOs

Students are not allowed to set the exams of these courses before 3 years from applying to the MSc degree.

***n.b. Fulfillment of the requirements in each course as described in the template and registered in the log book is a pre-request for candidates to be assessed and undertake part 1 and part 2 examinations.***

# First Part

## **Academic activities of basic sciences**

Practice with the academic and clinical departments during year 1

- Anatomy and embryology
- Histology
- Physiology
- Pharmacology
- Biochemistry
- Pathology
- Microbiology
- General Surgery
- Nephrology and basic life support

# Anatomy and embryology

## Requirements

Credit points: 1.5 credit points

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Anatomy and embryology	0.5	Anatomy	5 hours - Anterior and posterior abdominal wall - The retroperitoneum. - Adrenals. - Kidneys, ureters and bladder	33.3%
	0.5		5 hours - Peritoneum and intraperitoneal structures. - Female pelvis. - Great vessels in the abdomen and pelvis - Prostate.	33.3%
	0.5		5 hours - Testes, spermatic cord, and seminal vesicles. - Scrotum, and inguinal canal. - Male and female external genitalia. - Male urethra and female urethra	33.3%
Student signature			Principle coordinator signature	Head of the department signature

**Anatomy and embryology**

## Lectures

Date	Attendance	Topic	Signature

# Histology

## Requirements

**Credit points: 1 credit point**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Histology	0.5	Histology	5 hours - Cell structure - Epithelium - Connective tissue proper - Adrenals. - Kidneys, ureters and bladder.	50%
	0.5		5 hours - Male urethra and female urethra. - Prostate. - Testes, spermatic cord, and seminal vesicles. - Male and female external genitalia.	50%
Student signature			Principle coordinator signature	Head of the department signature



## Histology Lectures

Date	Attendance	Topic	Signature

# Physiology

## Requirements

**Credit points: 1 credit point**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Physiology	0.5	Physiology	5 hours <ul style="list-style-type: none"> <li>- Renal functions.</li> <li>- Urine formation.</li> <li>- Acid base balance.</li> <li>- Electrolytes homeostasis.</li> <li>- Bladder function and innervation.</li> </ul>	50%
	0.5		5 hours <ul style="list-style-type: none"> <li>- Hormonal control of reproductive system in males.</li> <li>- Testicular functions.</li> <li>- Adrenal hormones.</li> <li>- Sexual function.</li> </ul>	50%
Student signature			Principle coordinator signature	Head of the department signature

## Physiology Lectures

Date	Attendance	Topic	Signature

# Pharmacology

## Requirements

**Credit points: 1 credit point**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pharmacology	0.5	Pharmacology	5 hours - General pharmacology - Diuretics. - Anticholinergics.	50%
	0.5		5 hours - Cancer chemotherapy. - Antiandrogens. - Alpha blockers. - Antimicrobial.	50%
Student signature			Principle coordinator signature	Head of the department signature

**Pharmacology  
Lectures**

Date	Attendance	Topic	Signature

# Biochemistry

## Requirements

Credit points: 1 credit point

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Biochemistry	0.5	Biochemistry	5 hours - Urine. - Seminal fluid. - Acid base balance. - Electrolyte balance.	50%
	0.5		5 hours - Cancer biochemistry and tumor markers. - Molecular biology and genetics	50%
Student signature			Principle coordinator signature	Head of the department signature

**Biochemistry  
Lectures**

Date	Attendance	Topic	Signature

# Pathology

## Requirements

Credit points: 1.5 credit point

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Pathology	0.5	Pathology	5 hours <b>General Pathology of:</b> -Immunity & hypersensitivity. - Bacterial non specific infections. - Parasitic infestations. - Specific infections. - Tumors.	33.3%
	0.5		5 hours - Obstructive Uropathy and Urolithiasis. - Genitourinary tumors.	33.3%
	0.5		5 hours - Genitourinary infections. - Genitourinary parasitic infestation	33.3%
Student signature			Principle coordinator signature	Head of the department signature



## Pathology Lectures

<b>Date</b>	<b>Attendance</b>	<b>Topic</b>	<b>Signature</b>

# Microbiology

## Requirements

Credit points: 1 credit point

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Microbiology and immunology	0.5	Microbiology	5 hours - Bacterial structure, growth and metabolism - Bacterial genetics - Antimicrobial agents - Pathogenicity of microorganism - Diagnostic microbiology - Microorganisms encountered in genitourinary infections.	50%
	0.5		5 hours <b>Immunology</b> - Basic immunology - Immunologic diagnostic test and serology - Hypersensitivity - Tumor immunology - Immunogenetics and transplantation immunology <b>General virology</b> - Pathogenesis of viral diseases - Interferon and antiviral agents	50%
Student signature			Principle coordinator signature	Head of the department signature

**Microbiology  
Lectures**

<b>Date</b>	<b>Attendance</b>	<b>Topic</b>	<b>Signature</b>

# General Surgery

## Requirements

- + Credit points: 4 points for didactic and 7 points for training.
- + Minimal rate of attendance 80% of didactic and training

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
General surgery	1	General surgery	10 hours <b>General Principles of surgery:</b> - Suturing techniques. - Suturing materials. - General surgical instruments. - Abdominal incisions. - General complications of surgery.	25%
	1		10 hours Principles of intestinal surgery.	25%
	1		10 hours Management of polytrauma patient	25%
	1		10 hours - Diagnosis and management of surgical emergencies. - Differential diagnosis of acute abdomen	25%
Student signature			Principle coordinator signature	Head of the department signature

## General Surgery Lectures

Date	Attendance	Topic	Signature

<b>Clinical Training</b>	<b>Credit points</b>	<b>Responsible department</b>	<b>Attendance</b>	<b>Percentage of Achieved points</b>
<b>Training in General surgery</b>	2	<b>General surgery</b>	Practice with clinical cases for at least 2 weeks in the department ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below	28.6%
	1		30 hours Attendance of at least 1 week in the Outpatient clinic	14.2%
	2		60 hours Attendance of at least 3 daily shifts in trauma unit	28.6%
	2		60 hours Attendance of at least 4 surgical emergencies shifts	28.6%
Student signature			Principle coordinator signature	Head of the department signature

<b>Case</b>	<b>umber</b>
• Acute appendicitis	4
• Intestinal obstruction	2
• Inguinal hernia	2
• Peritonitis	2
• Incisional hernia	2
• Intestinal trauma	2
• Liver trauma	2
• Spleen trauma	2
<b>Procedures</b>	<b>Number</b>
• Herniotomy	2
• Herniorraphy	2
• Intestinal resection and reanastmosis	2
• Colostomy	2
• Appedicectomy	4





### Clinical case log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of participation  
A- Plan and carry out  
B- Carry out  
C- Carry out under supervision

## Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- \* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

# Nephrology and Basic life support

## Nephrology

### Requirements

- ✚ Credit points: 1.5 points for didactic and 2 points for training.
- ✚ Minimal rate of attendance 80% of didactic and training.

<b>Name of the course</b>	<b>Credit points</b>	<b>Responsible department</b>	<b>Attendance</b>	<b>Percentage of Achieved points</b>
Nephrology and basic life support	0.5	Internal medicine	5 hours - Electrolyte imbalance. - Acid base balance.	33%
	0.5		5 hours - Glomerular diseases. - Acute renal failure and acute tubular necrosis.	33%
	0.5		5 hours - Chronic renal failure. - Renal replacement therapy.	33%
Student signature			Principle coordinator signature	Head of the department signature

## Nephrology Lectures

<b>Date</b>	<b>Attendance</b>	<b>Topic</b>	<b>Signature</b>

<b>Clinical Training</b>	<b>Credit points</b>	<b>Responsible department</b>	<b>Attendance</b>	<b>Percentage of Achieved points</b>
<b>Training in nephrology unit</b>	0.5	<b>Internal medicine</b>	Practice with clinical cases for at least 3 days in the Nephrology Unit ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below	25%
	0.5		15 hours Attendance of at least 3 days in the Outpatient clinic	25%
	1		30 hours Attendance of at least 2 daily shifts in hemodialysis unit	50%
Student signature			Principle coordinator signature	Head of the department signature

<b>Case</b>	<b>Number</b>
• Acute renal failure	4
• Chronic renal failure	4
• Nephrotic syndrome	2
• Acute glomerulonephritis	2
<b>Procedures</b>	<b>Number</b>
• Hemodialysis	2

**Attendance in shifts, and Outpatient clinic**

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor

### Clinical case log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of participation  
 A- Plan and carry out  
 B- Carry out  
 C- Carry out under supervision



### Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of participation  
A- Plan and carry out  
B- Carry out  
C- Carry out under supervision

# Basic life support

## Requirements

- + Credit points: 0.5 points for didactic and 1 points for training.
- + Minimal rate of attendance 80% of didactic and training.

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basic life support	0.5	Anesthesia and intensive care	5 hours - Basic life support	100%
Student signature			Principle coordinator signature	Head of the department signature

## Basic Life Support Lectures

Date	Attendance	Topic	Signature

<b>Clinical Training</b>	<b>Credit points</b>	<b>Responsible department</b>	<b>Attendance</b>	<b>Percentage of Achieved points</b>
<b>Training in Intensive care Unit</b>	1	<b>Anesthesia and intensive care</b>	Practice with Intensive care Unit for at least 1 week ➤ Log of cases as mentioned below ➤ Procedures log as mentioned below	100%
Student signature			Principle coordinator signature	Head of the department signature

<b>Case and Procedure</b>	<b>Number</b>
• Cardiorespiratory resuscitation	4

**Attendance**

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor

### Clinical case log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of participation  
 A- Plan and carry out  
 B- Carry out  
 C- Carry out under supervision

## Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- \* Level of participation
- A- Plan and carry out
- B- Carry out
- C- Carry out under supervision

# Second Part

## Course 6 Urology

**Requirements:**

**Credit points: 24 for didactic and 110 for training.**



## Year 1

<b>Clinical training</b>	<b>Credit points</b>	<b>Responsible department</b>	<b>Attendance</b>	<b>Percentage of Achieved points</b>
Clinical training in urology department	4	Urology department	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 1 month in the department including their laboratory investigation and treatment</li> <li>➤ Cases log as mentioned below</li> <li>➤ Procedures log as mentioned below</li> </ul>	28.7%
	3		<ul style="list-style-type: none"> <li>➤ 6 Night shifts (From 2pm to 8am) (1/week for 6 weeks)</li> </ul>	21.4%
	2		<ul style="list-style-type: none"> <li>➤ Attendance of at least 12 days in the Outpatient clinic (1/week for 12 weeks)</li> </ul>	14.3%
	2		<ul style="list-style-type: none"> <li>➤ Practice in operative room for at least 12 days (1/week for 12 weeks)</li> </ul>	14.3%
	1		<ul style="list-style-type: none"> <li>➤ Practice in ultrasonography, urodynamic and SWL units for at least 1 week</li> </ul>	7.1%
	1		<ul style="list-style-type: none"> <li>➤ Attendance of clinical rounds (3 hours /week for 10 week)</li> </ul>	7.1%
	1		<ul style="list-style-type: none"> <li>➤ Formative assessment</li> </ul>	7.1%
Student signature			Principle coordinator Signature	Head of the department signature

### **Clinical case log (All over the three years)**

<i>Urological emergencies</i>	
<b>Case</b>	<b>Number</b>
Obstructive anuria	20
Acute retention of urine	20
Urethral stone	10
Haematuria	50
Clot retention	15
Priapism	5
Penile fracture	3
Testicular torsion	3
Infected hydronephrosis	20

<i>Obstructive uropathy and urolithiasis</i>	
<b>Case</b>	<b>Number</b>
Renal stones	80
Pelviureteric junction obstruction	20
Ureteric stones	80
Ureteric stricture	20
Bladder stones	40
Urethral stones	10
Urethral stricture	10

<i>Andrology</i>	
<b>Case</b>	<b>Number</b>
Varicocele	40
Obstructive azospermia	5
Peyronies disease	5
Ejaculatory duct obstruction	3
Retrograde ejaculation	3
Erectile dysfunction	20

<i>Genitourinary trauma</i>	
<b>Case</b>	<b>Number</b>
Renal trauma	10
Ureteric trauma	3
Bladder trauma	5
Urethral trauma	5
Scrotal and testicular trauma	3
Penile trauma	1

<i>Genitourinary infections</i>	
<b>Case</b>	<b>Number</b>
Acute cystitis	50
Acute pyelonephritis	10
Acute pyelonephritis with pregnancy	5
Renal abscess	5
Perinephric abscess	5
Genitourinary tuberculosis	3
Acute bilharzial cystitis	15
Bilharzial granuloma	5
Acute prostatitis	10
Prostatic abscess	3
Chronic prostatitis	10
Gonorrhoeal urethritis	5
Other sexually transmitted diseases	3
Acute epididymorchitis	20
Scrotal and testicular abscess	5
Fournier gangrene	3

<i>Genitourinary tumours</i>	
<b>Case</b>	<b>Number</b>
Superficial TCC of the bladder	20
Muscle invasive TCC of the bladder	20
Squamous cell carcinoma of the bladder	10
Metastatic bladder cancer	5
Renal parenchymal tumours	10
Wilms tumour	3
Upper urinary tract urothelial tumours	3
Adrenal tumours	3
Prostatic cancer	10
Testicular tumours	3

<i>Pediatric urology</i>	
<b>Case</b>	<b>Number</b>
Phimosis	5
Inguinal testis	10
Impalpable testis	10
Distal hypospadias	10
Proximal hypospadias	5
Epispadias	3
Bladder exstrophy	3
Vesicouretral reflux	10
Ureterocele	3
Megaureter	3
Posterior urethral valve	3
Pelviureteric junction obstruction	5
Nocturnal enuresis	15
Intersex	3
Scrotal swellings (hydroceles and hernias)	10

*Female urology and neurourology*

<b>Case</b>	<b>Number</b>
Stress urinary incontinence	5
Overactive bladder	5
Neurogenic bladder	5
Vesicovaginal fistula	5
Cystocele	3

## **Procedure log (All over the three years)**

Level of competency

A- Independent performance

B- Performance under supervision

C- Assistant

<b>Open renal and adrenal surgery</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Simple nephrectomy	10	2	3	5
Subcapsular nephrectomy	5	0	1	4
Radical nephrectomy	5	0	0	5
Partial nephrectomy	3	0	0	3
Nephroureterectomy	3	0	0	3
Pyelolithotomy	15	3	5	7
Nephrolithotomy	10	2	3	5
Pyeloplasty	8	0	1	7
Repair of renal trauma	12	2	3	7
Adrenalectomy	2	0	0	2

<b>Open ureteral surgery</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Upper ureterolithotomy	10	2	3	5
Middle ureterolithotomy	5	1	2	2
Lower ureterolithotomy	10	2	3	5
Uretero-neocystostomy	10	2	3	5
Ureteral resection and reanastmosis	5	1	2	2
Boari flap	5	0	1	4
Ileal loop ureteral replacement	3	0	0	3
External ureteral diversion (ureterocautenous)	8	2	2	4
Internal urinary diversion (e.g.ureteosigmoidostomy)	8	2	2	4
<b>Open bladder surgery</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Cystolithotomy	10	2	3	5
Radical Cystectomy	10	2	3	5
Diverticulectomy	5	0	1	4
Augmentation cystoplasty	3	0	0	3
Total bladder substitution (orthotopic or cathetrizable pouch)	3	0	0	3
Bladder neck reconstruction	2	0	0	2
Bladder trauma repair	8	2	2	4
Bladder exstrophy repair	2	0	0	2
Vesicovaginal fistula and other fistulae repair	3	0	0	3

<b>Open prostate surgery</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Transvesical prostatectomy	10	2	3	5
Radical prostatectomy	2	0	0	2
<b>Open urethral surgery</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Urethroplasty	5	0	1	4
Distal hypospadias repair	10	0	2	8
Proximal hypospadias repair	5	0	0	5
Meatotomy	5	1	2	2
Epispadias repair	2	0	0	2
Urethral fistula repair	5	0	1	4
<b>Penile surgery</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Circumcision	10	3	3	4
Penile prosthesis	5	0	0	5
Vascular surgery for ED (venous ligation or arterialization)	2	0	0	2
Priapism evacuation	5	2	2	1
Distal corporo corporal shunt	2	0	0	2
Penectomy	0	0	0	2



<b>Testis and epididymis surgery</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Orchidectomy (scrotal and inguinal)	10	2	3	5
Orchidolysis and orchidopexy	10	2	3	5
Testicular biopsy	10	2	3	5
High varix ligation	10	2	3	5
Subinguinal varix ligation	10	2	3	5
Operations for hydrocele, hernia, and spermatocele	10	2	3	5
Exploration for testicular torsion	3	0	1	2
<b>Endoscopic and percutaneous procedures</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Percutaneous nephrostomy	20	5	10	5
Suprapubic tube	10	3	4	3
PNL	10	0	2	8
Ureteroscopy for stone	20	2	5	13
Ureteroscopy for stricture (dilation)	10	2	3	5
Internal stenting	15	5	5	5
Endoscopic management of bladder stone	10	2	3	5
TUR biopsy	10	2	3	5
TUR bladder tumour or ulcer	10	0	3	7
TUR prostate or bladder neck	10	0	1	9
Visual internal urethrotomy	5	0	1	4
Posterior urethral valve fulguration	3	0	0	3

<b>Laparoscopy</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Diagnostic for impalpable testis	8	1	2	5
Laparoscopic orholysis and orchopexy	5	0	1	4
Laparoscopy for renal surgery (retroperitoneal or transperitoneal)	5	0	0	5
<b>SWL</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Renal stone with X-ray localization	10	2	3	5
Renal stone with sonographic localization	5	1	2	2
Ureteric stone	10	2	3	5
<b>Diagnostic procedures</b>				
<b>Procedure</b>	<b>Number</b>	<b>* Level of participation</b>		
		<b>A</b>	<b>B</b>	<b>C</b>
Urethrocystoscopy	10	2	3	5
Abdominal ultrasound examination	50	10	30	10
Scrotal ultrasound examination	10	2	3	5
TRUS	10	2	3	5
TRUS prostatic biopsy	5	0	2	3
Urodynamic studies	5	0	1	4

## Year 2

### 13 credit points for didactics in year 2

Name of the course	Credit points	Responsible department	<b>Topics and attendance</b>	Percentage of Achieved points
Urology	1.5	Urology	15 hours <b>Module 1: Urological emergencies:</b> - Obstructive anuria. - Acute retention of urine. - Infected hydronephrosis. - Hematuria. - Priapism and fracture penis. - Testicular torsion.	<b>11.5%</b>
	3		30 hours <b>Module 2: Obstructive uropathy and urolithiasis:</b> - Renal stones. - Pelviuretric junction obstruction. - Ureteric stones. - Ureteric stricture. - Bladder stones. - Urethral stones. - Urethral stricture.	23%
	1.5		15 Hours <b>Module 3: Andrology:</b> - Male infertility. - Ejaculatory dysfunction and premature ejaculation. - Erectile dysfunction.	11.5%
	2		20 hours <b>Module 4: Genitourinary trauma:</b> - Renal trauma - Ureteral trauma	15.4%

			<ul style="list-style-type: none"> <li>- Bladder trauma</li> <li>- Urethral trauma</li> <li>- Genital trauma</li> <li>- Mass casualty events, Triage and damage control.</li> </ul>	
	3		<p style="text-align: center;"><i>30 hours</i></p> <p><b>Module 5: Genitourinary infections:</b></p> <ul style="list-style-type: none"> <li>- Non specific infections of genitourinary tract.</li> <li>- Inflammatory condition of the male genitourinary tract including Prostatitis, Orchitis, and Epididymitis</li> <li>- Painful Bladder Syndrome, Interstitial cystitis and related disorders.</li> <li>- Tuberculosis of genitourinary tract.</li> <li>- Fungal and Parasitic infestation of genitourinary tract especially bilharziasis.</li> <li>- Sexually transmitted diseases.</li> <li>- Urologic implication of AIDS and HIV infection.</li> </ul>	23%
	<b>0.75</b>		<p style="text-align: center;"><b>Seminars</b></p> <ul style="list-style-type: none"> <li>➤ Attendance of at least 5 of the clinical seminars</li> <li>➤ Presentation of at least 1 time in the seminar</li> </ul>	<b>5.8%</b>
	<b>0.5</b>		<b>Conference or workshop</b>	<b>4%</b>
	<b>0.75</b>		<b>Formative assessment</b>	<b>5.8%</b>
Student signature			Principle coordinator Signature	Head of the department signature

**48 credit points for training in year 2**

<b>Clinical training</b>	<b>Credit points</b>	<b>Responsible department</b>	<b>Attendance</b>	<b>Percentage of Achieved points</b>
Clinical training in urology department	16	Urology department	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 4 months in the department including their laboratory investigation and treatment</li> <li>➤ Cases log as mentioned above</li> <li>➤ Procedures log as mentioned above</li> </ul>	33.3%
	8		➤ 16 Night shifts (From 2pm to 8am) (1/week for 16 weeks)	16.7%
	6		➤ Attendance of at least days in the Outpatient clinic ( 2 /week for 18 weeks)	12.5%
	11		➤ Practice in operative room for at least 66 days (2/week for 33 weeks)	23%
	2		➤ Practice in ultrasonography, urodynamic and SWL units for at least 12 days	4.1%
	2		➤ Attendance of clinical rounds (3 hours /week for 20 week)	4.1%
	3		➤ Formative assessment	6.3%
Student signature			Principle coordinator Signature	Head of the department signature

## Year 3

### 11 credit points for didactics in year 3

Name of the course	Credit points	Responsible department	<b>Topics and attendance</b>	Percentage of Achieved points
Urology	3	Urology	30 hours <b>Module 6: Genitourinary tumours:</b> <ul style="list-style-type: none"> <li>- Superficial bladder cancer.</li> <li>- Muscle invasive and Metastatic bladder cancer</li> <li>- Renal tumours</li> <li>- Adrenal Gland tumours</li> <li>- Prostatic tumours.</li> <li>- Testicular tumour.</li> </ul>	27.3%
	3		30 hours <b>Module 7: Pediatric urology:</b> <ul style="list-style-type: none"> <li>- Phimosis.</li> <li>- Cryptorchidism.</li> <li>- Hydrocele.</li> <li>- Hypospadias.</li> <li>- Congenital penile curvature.</li> <li>- Micropenis.</li> <li>- Daytime lower urinary tract condition.</li> <li>- Dilation of the upper urinary tract( UPJ and ureterovesical junction obstruction).</li> <li>- Vesicoureteral Reflux.</li> <li>- Urinary stone diseases.</li> <li>- Obstructive pathology of renal duplication (ureterocele and ectopic</li> </ul>	27.3%

			ureter) - Disorder of sex development. - Exstrophy-epispadias complex. - Posterior urethral valve.	
	1.5		15 Hours <b>Module 8: Female urology and neurourology:</b> - Stress urinary incontinence. - Overactive bladder. - Neuropathic bladder. - Female lower urinary tract fistulae.	13.6%
	1.5		15 Hours <b>Module 9: Renal failure and transplantation:</b> - Acute renal failure. - Chronic renal failure. - Renal transplantation. - Electrolyte imbalance. - Acid base balance.	13.6%
	<b>0.75</b>		<b>Seminars</b> ➤ Attendance of at least 5 of the clinical seminars ➤ Presentation of at least 1 time in the seminar	<b>6.8%</b>
	<b>0.5</b>		<b>Conference or workshop</b>	<b>4.6%</b>
	<b>0.75</b>		<b>Formative assessment</b>	<b>6.8%</b>
Student signature			Principle coordinator Signature	Head of the department signature

**48 credit points for training in year 3**

<b>Clinical training</b>	<b>Credit points</b>	<b>Responsible department</b>	<b>Attendance</b>	<b>Percentage of Achieved points</b>
Clinical training in urology department	16	Urology department	<ul style="list-style-type: none"> <li>➤ Practice with clinical cases for at least 4 months in the department including their laboratory investigation and treatment</li> <li>➤ Cases log as mentioned above</li> <li>➤ Procedures log as mentioned above</li> </ul>	33.3%
	8		➤ 16 Night shifts (From 2pm to 8am) (1/week for 16 weeks)	16.7%
	6		➤ Attendance of at least days in the Outpatient clinic ( 2 /week for 18 weeks)	12.5%
	11		➤ Practice in operative room for at least 66 days (2/week for 33 weeks)	23%
	2		➤ Practice in ultrasonography, urodynamic and SWL units for at least 12 days	4.1%
	2		➤ Attendance of clinical rounds (3 hours /week for 20 week)	4.1%
	3		➤ Formative assessment	6.3%
Student signature			Principle coordinator Signature	Head of the department signature



**Academic activities**  
**Lectures, seminars, conferences, and worships**

<b>Date</b>	<b>Your role**</b>	<b>Topic</b>	<b>Signature</b>

\*\* Your role:-  
A- Attendance  
B- Organization  
C- Presentation

**Academic activities**  
**Lectures, seminars, conferences, and worships**

<b>Date</b>	<b>Your role**</b>	<b>Topic</b>	<b>Signature</b>

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## Academic activities Lectures, seminars, conferences, and worships

Date	Your role**	Topic	Signature

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**Academic activities**  
**Lectures, seminars, conferences, and worships**

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<b>Date</b>	<b>Your role**</b>	<b>Topic</b>	<b>Signature</b>

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**Lectures, seminars, conferences, and worships**

<b>Date</b>	<b>Your role**</b>	<b>Topic</b>	<b>Signature</b>

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**Academic activities  
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<b>Date</b>	<b>Your role**</b>	<b>Topic</b>	<b>Signature</b>

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**Academic activities**  
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<b>Date</b>	<b>Your role**</b>	<b>Topic</b>	<b>Signature</b>

\*\* Your role:-  
A- Attendance  
B- Organization  
C- Presentation

**Attendance in shifts, Outpatient clinic, Operative room, clinical round,  
ultrasound, urodynamic and SWL units**

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor

**Attendance in shifts, Outpatient clinic, Operative room, clinical round,  
ultrasound, urodynamic and SWL units**

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor

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Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor

**Attendance in shifts, Outpatient clinic, Operative room, clinical round,  
ultrasound, urodynamic and SWL units**

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor

**Attendance in shifts, Outpatient clinic, Operative room, clinical round,  
ultrasound, urodynamic and SWL units**

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor



**Attendance in shifts, Outpatient clinic, Operative room, clinical round, ultrasound, urodynamic and SWL units**

Duration from -to	Location	Signature of supervisor	Duration from -to	Location	Signature of supervisor

### Clinical case log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of participation  
A- Plan and carry out  
B- Carry out  
C- Carry out under supervision

### Clinical case log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

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### Clinical case log

H.N	Diagnosis of case	Level of participation*	Location	Signature of supervisor

\* Level of participation  
A- Plan and carry out  
B- Carry out  
C- Carry out under supervision

### Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed

## Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of competency  
 A- Independent performance  
 B- Performance under supervision  
 C- Observed

## Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- \* Level of competency
- A- Independent performance
- B- Performance under supervision
- C- Observed

# Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of competency  
A- Independent performance  
B- Performance under supervision  
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## Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed

## Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed

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H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed



### Procedure log

H.N	Diagnosis of case	Level of participation *	Location	Signature of supervisor

- \* Level of competency
- A- Independent performance
- B- Performance under supervision
- C- Observed

## Postgraduate student's program Rotation in training assessment

\* *Name:*




\* *Period of training From:*




*To:*

\* *Site:*

### \*Rotation

General skills	could not judge (0)	strongly disagree(1)	(2 )  (3)	(4 )  (5)	(6)	strongly agree (7)
Perform practice-based improvement activities using a systematic methodology (share in audits and risk management activities and use logbooks).						
Appraises evidence from scientific studies.						
Conduct epidemiological studies and surveys.						
Perform data management including data entry and analysis and using information technology to manage information, access on-line medical information; and support their own education.						

<b>General skills</b>	<b>could not judge (0)</b>	<b>strongly disagree(1)</b>	 <b>(2) (3)</b>		 <b>(4) (5)</b>		 <b>(6)</b>	<b>strongly agree (7)</b>
Facilitate learning of students other health care professionals including their evaluation and assessment.								
Maintain therapeutic and ethically sound relationship with patients.								
Elicit information using effective nonverbal, explanatory, questioning, and writing skills.								
Provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member of a health care team or other professional group.								
Demonstrate respect, compassion, and integrity; a responsiveness to the needs of patients and society.								
Demonstrate a commitment to ethical principles including provision or withholding of clinical care, confidentiality of patient information, informed consent, business practices.								

<b>General skills</b>	<b>could not judge (0)</b>	<b>strongly disagree(1)</b>	 <b>(2 ) (3)</b>		 <b>(4 ) (5)</b>		 <b>(6)</b>	<b>strongly agree (7)</b>
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in relevant health care delivery settings and systems including good administrative and time management								
Practice cost-effective health care and resource allocation that does not compromise quality of care.								
Assist patients in dealing with system complexities.								

# Elective Course

## Requirements

● **Credit points:** 2 credit point.

- Minimal rate of attendance 80% of lectures and 80% of training

## One of these courses

- Medical statistics.
- Evidence based medicine.
- Medicolegal Aspects and Ethics in Medical Practice and

## Scientific Research

- Quality assurance of medical education.
- Quality assurance of clinical practice.
- Hospital management

**Name of the elective course: -----**

### **Elective Course Lectures**

Date	Attendance	Topic	Signature

## Elective Course Practical skills

Date	Attendance	Topic	Signature

### Formative assessment and MCQ

Exam	Score	Grade*	Date	Signature

**\*Degree**  
A- Excellent  
B- Very good  
C- Good  
D- Pass



## الرسائل العلمية

عنوان الرسالة

عربي : \_\_\_\_\_

انجليزي : \_\_\_\_\_

المشرفون : \_\_\_\_\_

1- .....

2- .....

3 .....

4- .....

تاريخ القيد لدرجة : ..... / /

تاريخ التسجيل الموضوع: .....

المتابعة الدورية : .....

التاريخ	ما تم انجازه من بروتوكول البحث	المتبقي	توقيع المشرفين

# Declaration

Course Structure Mirror	Responsible (Course ) Coordinator Name:	Signature	Date
<b>First Part</b>			
<b>Course 1</b>			
<b>Unit (Module ) 1 Anatomy and Embryology</b>			
<b>Unit (Module ) 2 Histology</b>			
<b>Course 2</b>			
<b>Unit (Module ) 1 Physiology</b>			
<b>Unit (Module ) 2 Pharmacology</b>			
<b>Unit (Module ) 3 Biochemistry</b>			
<b>Course 3</b>			
<b>Unit (Module ) 1 Pathology</b>			
<b>Unit (Module ) 2 Microbiology</b>			
<b>Course 4 General Surgery</b>			
<b>Course 5 Nephrology and Basic life support</b>			
<b>Second Part</b>			
<b>Course 6 Urology</b>			
<b>Unit (Module ) 1</b>			
<b>Unit (Module ) 2</b>			
<b>Unit (Module ) 3</b>			
<b>Unit (Module ) 4</b>			
<b>Unit (Module ) 5</b>			
<b>Unit (Module ) 6</b>			
<b>Unit (Module ) 7</b>			
<b>Unit (Module ) 8</b>			
<b>Unit (Module ) 9</b>			
<b>- Elective Course (s) Certificate (s) Dates:</b>			
<b>- Master Degree Thesis Acceptance Date:</b>			
<b>- Fulfillment of required credit points prior to final examination</b>			
<b>Urology M Sc Degree Principle Coordinator:</b>			
<b>Date approved by Urology Department Council:</b>			

يعتمد ،  
رئيس القسم

أ.د./