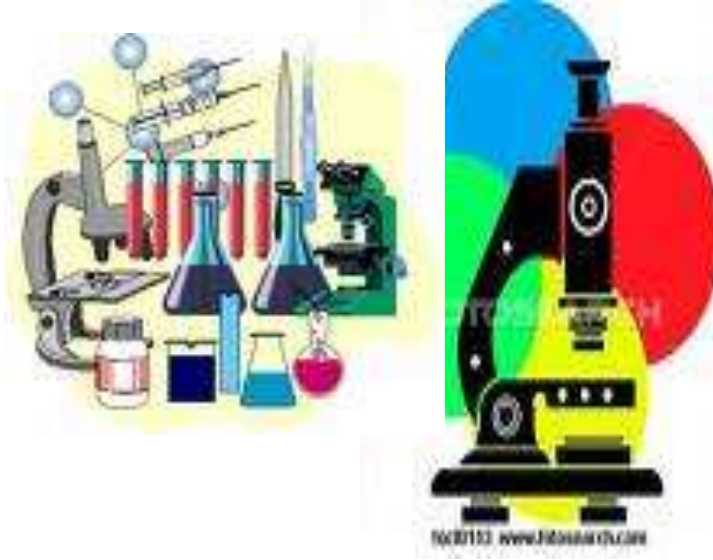


# MD Degree of Pathology Log Book



"كراسة الأنشطة"

اللازمة لحصول المتدرب على درجة الدكتوراة في الباثولوجيا

2022-2023

## Contents

NO	SUBJECT	PAGE
1	Personal data	3
2	Instructions to the use of logbook	4
3	Program aims and curriculum structure	5-6
4	Course 1 Medical statistics	8
5	Course 2 Research methodology	10
6	Course 3 Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	12
7	Course 4 Pathology 1 (Immunohistochemistry & Basics of molecular pathology)	14 14 19
9	Course 5 Pathology 2 (Speciality Course) divided into the following units 1) General pathology 2) GIT and Liver pathology 3) Pathology of female genital organs and breast 4) Genitourinary Pathology 5) Head and neck pathology 6) Pathology of intrathoracic organs 7) Haematopoietic and lymphatic 8) Soft tissue and Bone Pathology 9) Neuropathology 10) Endocrine organs pathology 11) dermatopathology 12) Cytopathology	24
10	Elective Course 1	153
11	Elective Course 2	157
12	Other Scientific Activities	160
13	Formative assessment	161
14	Thesis	162
15	Declaration:	163



## 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 Internal Medicine 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.

### **Sections of the book**

#### **For each course / rotation**

You should fill the following sections:-

#### **1-Pathologic cases log**

You will first find list with all required specimens in the concerned course and the minimum number of cases you must get exposed to and level of participation you should achieve for each type of cases.

2- You should record all cases in the course and each case should be signed by you trainer.

#### **2- Case presentation log**

Record the cases related to the course that you have presented in a seminar of the activity.

#### **3- Procedures log**

1- You will find a list for required procedure and level of desired performance you should achieve at the end of training.

2- You will find empty tables to write down the procedure, you level of participation and date and signature of supervisor.

#### **4- Rotation / attendance proof**

You should have evidence of achievement the required training hours within each course

*For the whole program fill the following sections*

1- Academic activities

A- Document all academic activities e.g. lecture, journal clubs, workshops, conference, services attended. This documentation should include the level of participation " attendance, preparation, presentation,....."

2- Academic achievements

A- Document all outcomes you achieved in the field of:-

- Audit participation
- Research "clinical trial" participation.
- Evidence- based medicine "generation of guidelines" protocols
- .....

3- Formative assessment log

This document all types of formative assessment attended e.g.:-

- Mini clinical examination
- Quiseses



### **- Program aims**

- 1-Acquire in depth experience of the diagnostic techniques required to become technically competent in practical work, and to master the underlying analytical and clinical principles.
- 2-Demonstrate the diagnostic skills required for ethical and effective patient care and will demonstrate effective consultation skills with respect to patient care, education and legal opinions. The level of knowledge in all areas will reflect the needs of community or regional laboratories.
- 3 - Develop a systematic understanding and critical awareness of, and high level of skills in specialist areas of pathology, either histopathology or cytopathology and acquire management skills to lead a department providing an effective service.
- 4- Enable candidates to start professional careers as consultant in Egypt in pathology but recognized abroad.
- 5- Acquire high level of training in the communication and teaching skills necessary for effective practice.
- 6- Acquire life-long habits of reading, literature searches, and consultation with colleagues, attendance at scientific meetings, and the presentation of scientific work that is essential for continuing professional development.
- 7- Enable to work effectively, in partnership with other health professionals, support staff, patients and service users.
- 8- To enable candidates to perform high standard scientific medical research and how to proceed with publication in indexed medical journals.
- 9- To enable candidates to master different research methodology and do their own.



## **Curriculum Structure:**

Duration of program up to 4 years (could be extended to 6 years) divided into

- Part 1

Program-related basic science courses

- Medical statistics.

- Research methodology

- : Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

Students are allowed to sit the exams of these courses after 6 months from applying to the M D degree.

- Thesis and 2 published researches

For the M D thesis;

MD thesis subject should be officially registered within 1 year from application to the MD degree,

Discussion and acceptance of the thesis should not be set before 24 months from registering the M D subject;

It could be discussed and accepted either before or after passing the second part of examination

- Part 2

Program –related speciality courses and ILOs

Students are not allowed to sit the exams of these courses before 4 years from applying to the MD degree.



# First Part

## Basic Science Courses

Course	Name of the course	Credit points
Course 1	Medical statistics.	1 point
Course 2	Research methodology	1 point
Course 3	Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	1 point
Course 4	Pathology 1 Immunohistochemistry Basics of molecular Pathology	3 points 4 points

# Medical statistics

## Requirements

- Credit points: 1 credit point
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Practical	Percentage of Achieved points
Medical statistics	1 credit point	Public Health & Community Medicine			100%
	0.1		Introduction 1 hour	SPSS Introduction 2H	10%
	0.1		Tables and graphics 1 Hour	Data entry and cleaning of data 2H	10%
	0.1		Sampling 1 Hour	Transforming of variables 2H	10%
	0.1		Methodology of data collection 1 Hour	Descriptive statistics 2 H	10%
	0.1		Type of variables 1 Hour	Graphic presentation 2 H	10%
	0.1		Proportion test Chi-square test 1 Hour	Chi square and interpretation of results 2 H	10%
	0.1		Student T test Paired T test 1 Hour	Student, Paired and ANOVA tests 2H	10%
	0.1		ANOVA test 1 Hour	Correlation Regression 2 Hour	10%
	0.1		Non parametric tests 1 Hour	Multiple and logistic Regression 2 H	10%
	0.1		Discrimination analysis factor analysis 1 Hour	Non parametric tests 2 H	10%
			Revision 1 H	Revision 2H	
Student signature			Principle coordinator signature		Head of the department signature



[illegible]

# Research Methodology

## Requirements

- Credit points: 1 credit point
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Research Methodology	1 credit point	Pubic Health & Community Medicine		100%
	0.15		4 hours Introduction & proposal writing	15%
	0.15		4 hours Epidemiological study designs	15%
	0.15		4 hours Screening & theoretical background	15%
	0.24		6 hours Screening practical	24%
	0.15		4 hours Sample size calculation	15%
	0.08		2 hours Research bias	8%
	0.08		2 hours Ethics in research	8%
	-		2 hours Revision	-
Student signature			Principle coordinator signature	Head of the department signature

[illegible]

# Medicolegal Aspects and Ethics in Medical Practice and Scientific Research

## Requirements

- Credit points: 1 credit point
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Medicolegal Aspects and Ethics in Medical Practice and Scientific Research	1 credit point	Forensic Medicine and Clinical Toxicology	10 hours	100%
	0.5		5 hours Ethics in research	50%
	0.5		5 hours Medical ethics in practice.	50%
			Principle coordinator signature	Head of the department signature
Student signature				

[illegible]

# Course 4 Pathology 1

## Unit 1

# Immunohistochemistry

### Requirements

- Credit points: 3 credit point
- Minimal rate of attendance 80%

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Immunohistochemistry	3 credit point	Pathology	30 hours	
	1		10 hours The principles of immunohistochemical methods and when to resort to them.	33.3
	0.5		5 hours The basics of preparation and staining techniques for common specimen types	16.7%
	1		10 hours The panels of antibodies for particular diagnostic applications and cost-benefit issues when considering the use of multiple antibodies	33.3%
	0.5		5 hours The pitfalls in diagnosis & limitations	16.7%
Student signature			Principle coordinator signature	Head of the department signature

### Rotation / attendance proof

الأماكن التي تدرب بها

أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل



[illegible]

[illegible]

## Unit 2

# Basics of Molecular Pathology

**Credit points: 4**

**Minimal rate of attendance 80%**

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Basics of Molecular Pathology	0.5	Pathology	5 hours Introduction, DNA structure, features and methods of analysis	10%
	0.5		5 hours PCR, principles, types and applications	10%
	0.5		5 hours Mutations, types and methods of detection	10%
	0.25		2.5hours DNA microarray	5%
	0.5		5 hours Epigenetic changes in diseases and neoplasia	10%
	0.5		5 hours Applied molecular pathology in diseases and cancers	10%
	0.5		5hours Basics of cytogenetics: Introduction, chromosomal structure, morphology and preparation	10%
	0.25		2.5 hours Chromosomal aberrations	5%
	0.25		2.5 hours FISH, principles and applications	5%
	0.25		Formative Assessment	5%
Student signature			Principle coordinator Signature	Head of the department signature



**Rotation / attendance proof**

الأماكن التي تدرب بها

توقيع مدير المعمل	توقيع رئيس القسم	أسم المعامل التي تدرب بها



## Basics of Molecular Pathology (Lectures and tutorials)

[illegible]

[illegible]

# Course 5: Speciality Course

## **PATHOLOGY**

## Second Part





Unit	Level (Year)	Credit points		
		Didactic	Training	Total
<b>Unit 1: General Pathology</b>	<b>1</b>	<b>3</b>	<b>10</b>	<b>13</b>
<b>Unit 2 :GIT and Liver pathology</b>	<b>1,2,3,4</b>	<b>3</b>	<b>15</b>	<b>18</b>
<b>Unit 3: Pathology of female genital organs and breast</b>	<b>1,2,3,4</b>	<b>3</b>	<b>15</b>	<b>18</b>
<b>Unit 4: Genitourinary Pathology</b>	<b>1,2,3,4</b>	<b>3</b>	<b>15</b>	<b>18</b>
<b>Unit 5: Head and Neck Pathology</b>	<b>1,2,3,4</b>	<b>2</b>	<b>15</b>	<b>17</b>
<b>Unit 6 : Pathology of intrathoracic organs</b>	<b>1,2,3,4</b>	<b>2</b>	<b>15</b>	<b>17</b>
<b>Unit 7: Haematopoietic and lymphatic Pathology</b>	<b>1,2,3,4</b>	<b>2</b>	<b>10</b>	<b>12</b>
<b>Unit 8 : Soft tissue and Bone Pathology</b>	<b>1,2,3,4</b>	<b>2</b>	<b>10</b>	<b>12</b>
<b>Unit 9 : Neuropathology</b>	<b>1,2,3,4</b>	<b>1</b>	<b>5</b>	<b>6</b>
<b>Unit 10 : Endocrine organs pathology</b>	<b>1,2,3,4</b>	<b>1</b>	<b>5</b>	<b>6</b>
<b>Unit 11: DermatoPathology</b>	<b>1,2,3,4</b>	<b>1</b>	<b>4</b>	<b>5</b>
<b>Unit 12: Cytology</b>	<b>1,2,3,4</b>	<b>1</b>	<b>4</b>	<b>5</b>
<b>Total</b>		<b>24</b>	<b>123</b>	<b>147</b>

The units are classified as follow for didactic teaching

Unit	Didactic Year or level	Training Year or level	Remarks
Unit 1: General Pathology	2	1	
Unit 2 : GIT and Liver pathology	2	1,2,3,4	
Unit 3: Pathology of female genital organs and breast	2	1,2,3,4	
Unit 4: Genitourinary Pathology	3	1,2,3,4	
Unit 5: Head and Neck Pathology	3	1,2,3,4	
Unit 6: Pathology of intrathoracic organs	3	1,2,3,4	
Unit 7 : Haematopoietic and lymphatic Pathology	3	1,2,3,4	
Unit 8 : Soft tissue and Bone Pathology	4	1,2,3,4	
Unit 9 : Neuropathology	4	1,2,3,4	
Unit 10: Endocrine organs pathology	4	1,2,3,4	
Unit 11: DermatoPathology	4	1,2,3,4	
Unit 12 : Cytology	4	1,2,3,4	

For practical: the candidate should examine 750- 1000 pathologic cases every year as in practical part of each unit

# Year One

Practical only

24 credit points for training

Minimal rate of attendance 80%



**Pathology Department  
Faculty of Medicine**

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training at Pathology Laboratories	8	Pathology	Attendance of trimming room at pathology lab for at least 2 days /week for 24 weeks including The use of departmental protocols for the handling; of specimens including identification, documentation, entering patient data on to computer and measures to prevent specimen mix-ups (Cases are listed below)	33.3%
	2		Attendance of Gynecologic lab for at least one day/week for 12 weeks including specimens handling and trimming, cases diagnosis	8.3%
	8		Attendance of multihead microscopic slide sessions for at least 2 days /week for 24 weeks including Microscopic examination of different categories of diseases and provisional diagnosis	33.3%
	4		Student teaching Attendance of at least 4 sections/ week (2 days) for 12 weeks	16.6%
	1		Practice in cytology lab for at least 1 day /week for 6 weeks (at least 50 cases) Recognize adequate and inadequate samples Differentiate between benign & malignant cells Reporting of cytologic specimens	4.1%
	1		Attendance of immunohistochemistry lab for 1 day/week for 6 weeks	4.1%
Student signature			Principle coordinator Signature	Head of the department signature

# Year Two

**9 credit points for didactic, 33 credit points for training**

**Minimal rate of attendance is 80%**

**Didactic for year 2 include:**

<b>Unit 1: Pathologic basis of diseases</b>
<b>Unit 2 : GIT and Liver pathology</b>
<b>Unit 3: Pathology of female genital organs and breast</b>

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 1</b> <b>Pathologic basis of Diseases</b>	3	Pathology	Year 2	
	2.75 points		Topics and attendance	
	0.5		5 hours Cellular adaptation cell injury and cell death	16.5%
	0.5		5 hours Acute and chronic inflammation and repair	16.5%
	0.25		2.5 hours Hemodynamic disorders	8.5%
	0.25		2.5 hours Infections Bacterial Viral Fungal Parasitic	8.5%
	0.5		5 hours Immunity	16.5%
	0.25		2.5 hours Genetic disorders	8.5%
	0.5		5 hours Environmental and nutritional disorders Diseases of infancy and childhood	16.5%
	0.25		Formative assessment	8.5%
Student signature			Principle coordinator Signature	Head of the department signature

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 2</b> <b>GIT and Liver Pathology</b>	3	Pathology	Year 2	
	2.5 points		Topics and attendance	
	0.25		2.5 hours Diseases and tumours of the oesophagus	8.5%
	0.5		5 hours Stomach - Congenital anomalies - Gastritis - Peptic ulcer - Gastric polypi - Gastric tumours Benig- malignant	16.5%
	0.5		5 hours Small and large Intestine - Infections - Inflammatory bowel disease (Crohns and ulcerative colitis) - Intestinal obstruction - Intestinal polypi - Tumors of the small and large intestine	16.5%
	0.25		2.5 hours Appendix and anal canal	8.5%
	0.75		7.5 hours Liver - Jaundice - Liver failure - Hepatitis - Cirrhosis - Metabolic disorders - Biliary obstruction - Tumors and tumor like conditions of the liver	25%
	0.25		2.5 hours - Gall bladder and extrahepatic biliary tree - Diseases and tumors of the pancreas	8.5%
	0.25		<b>Seminars</b> Attendance of at least 50% of slide seminars	16.5%
	0.25		<b>Formative assessment</b>	
Student signature			Principle coordinator Signature	Head of the department signature



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 3 Female genital organs and breast	3	Pathology	Year 2	
	2.5points		Topics and attendance	
	0.5		5 hours Diseases and tumours of the vulva and Vagina Cervix - Cervicitis - Polyps - Cervical intraepithelial neoplasia - Tumours of the cervix	16.5%
	0.5		5hours Uterine corpus - normal endometrium and menstrual cycle - endometritis - endometrial hyperplasia - dysfunctional uterine bleeding - endometrial polyp - endometrial tumors	16.5%
	0.5		5 hours Ovaries - non neoplastic ovarian cysts - Ovarian tumors classification and types - Fallopian tubes	16.5%
	0.25		2.5 hours Disorders of pregnancy - ectopic pregnancy - Pathology of the placenta - Gestational trophoblastic tumors	8.5%
	0.75		7.5 hours Breast -Inflammatory and proliferative conditions - Benign tumors - Malignant tumors - Diseases of male breast	25%
	0.25		<b>Seminars</b> Attendance of at least 50% of seminars	8.5%
	0.25		<b>Formative assessment</b>	8.5%
Student signature			Principle coordinator Signature	Head of the department signature



Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training at Pathology Laboratories	10	Pathology	Attendance of trimming room at pathology lab for at least 2 days /week for 30 weeks including The use of departmental protocols for the handling; of specimens including identification, documentation, entering patient data on to computer and measures to prevent specimen mix-ups (Cases are listed below)	30.3`%
	2		Attendance of Gynecologic lab for at least one day/week for 12 weeks including specimens handling and trimming, cases diagnosis	6.06%
	12		Attendance of multihead microscopic slide sessions for at least 3 days /week for 24 weeks including Microscopic examination of different categories of diseases and provisional diagnosis	36.3%
	3		Student teaching Attendance of at least 2 (1 day) sections/ week for 18 weeks	9.09%
	2		Practice in cytology lab for at least 1 day /week for 12 weeks (at least 50 cases) Recognize adequate and inadequate samples Differentiate between benign & malignant cells Reporting of cytologic specimens	6.06%
	3		Attendance of immunohistochemistry lab for 1 day/week for 18 weeks	9.09%
	1		Formative assessment	3.03%
Student signature			Principle coordinator Signature	Head of the department signature

# Year Three

**9 credit points for didactic, 33 credit points for training**

**Minimal rate of attendance is 80%**

**Didactic for year include:**

<b>Unit 4 Genitourinary Pathology</b>
<b>Unit 5 Head and Neck Pathology</b>
<b>Unit 6 Pathology of intrathoracic organs</b>
<b>Unit 7 Haematopoietic and lymphatic Pathology</b>

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 4</b> <b>Genitourinary</b>	3	Pathology	Year 2	
	2.5 points		Topics and attendance	
	1		10 hours Kidneys. Clinical manifestations of renal disease. The pathology of renal failure. Glomerular diseases - Renal infarction. Transplantation. Tubulo-interstitial diseases. pyelonephritis Renal stones Renal tumors of adult and childhood	33%
	0.5		5 hours Bladder & ureters. Inflammation, obstruction, calculi and congenital lesions. Neoplasms of the bladder and ureter	16.5%
	0.25		2.5 hours Prostate Gland. Prostatitis: Prostate carcinoma	8.5%
	0.5		5 H Testis. Cryptorchidism, hydrocoele, haematocoele, torsion and orchitis. Neoplasms of the testis	16.5%
	0.25		2.5 hours Epididymis. Cysts, spermatocele, epididymo - orchitis. Penis and Scrotum. Congenital anomalies, inflammations including sexually transmitted diseases, venereal warts, carcinoma of the penis and scrotum. Causes of male infertility	8.5%
	0.25		Seminars	8.5%
	0.25		Formative assessment	8.5%
			Principle coordinator Signature	Head of the department signature
Student signature				

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 5</b> <b>Head and Neck Pathology</b>	2	Pathology		
	0.5		5 h Diseases of the Jaw and oral cavity - Tumors of the jaw and oral cavity classification, subtypes and differential diagnosis	25%
	0.5		5 h Diseases of salivary glands - Tumors of salivary glands	25%
	0.5		5 h - Diseases and tumors of Nose, paranasal sinuses nasopharynx and Larynx	25%
	0.5		5 h - Diseases and tumors of the Eye and ocular adenexa Diseases of the ear	25%
Student signature			Principle coordinator Signature	Head of the department signature

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 6</b> <b>Intrathoracic organs</b>	2	Pathology	Year 2	
	1.5 points		Topics and attendance	
	0.25		2.5 h Nonneoplastic pulmonary diseases Pulmonary infections Lung abscess and its complications. Pulmonary tuberculosis. Restrictive lung diseases and acute interstitial lung disease (and chronic interstitial lung disease. Obstructive pulmonary disease: Emphysema: (COPD). Bronchiectasis:	12.5%
	0.25		2.5 h Neoplasms of the lung: bronchiogenic carcinoma Other primary neoplasms, benign and malignant. Metastatic lung tumours	12.5%
	0.25		2.5 h Diseases of the pleura: pleurisy, effusions, fibrosis, pleural plaques, neoplasms.	12.5%
	0.25		2.5 h Principles of diseases of The Mediastinum - Thymus and thymoma	12.5%
	0.5		5 h -Principles of diseases of the heart and the blood vessels. Ischaemic heart disease: Hypertension: Valvular disease: Pericardial disease: Tumours of the heart Vascular diseases aneurysms, Vasculitis. Miscellaneous disorders (Tumours and tumour-like lesions of vessels	25%
	0.25		Formative Assessment	12.5%
	0.25		<b>Seminars</b> Attendance of at least 50% of slide seminars	12.5%
			Principle coordinator Signature	Head of the department signature
Student signature				

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
<b>Unit 7</b> <b>Heamatopoeitic and lymphatic</b>	2 points	Pathology	Year 3	
	1.5 point		Topics and attendance	
	0.75		7.5 hours Non hodgkins lymphoma - classification, morphology, molecular pathology	37.5%
	0.5		5 hours - Hodgkins lymphoma - classification and morphology. Clinical features, staging	25%
	0.5		5 hours - Reactive hyperplasia Morphology and causes of follicular hyperplasia, paracortical hyperplasia and sinus histiocytosis. Lymphadenitis, non-specific and specific forms. - Spleen: Causes of splenomegaly. - Tumors of the spleen	25%
	0.25		Formative assessment	12.5%
Student signature			Principle coordinator Signature	Head of the department signature

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training at Pathology Laboratories	10	Pathology	Attendance of trimming room at pathology lab for at least 2 days /week for 30 weeks including The use of departmental protocols for the handling; of specimens including identification, documentation, entering patient data on to computer and measures to prevent specimen mix-ups (Cases are listed below)	30.3` %
	2		Attendance of Gynecologic lab for at least one day/week for 12 weeks including specimens handling and trimming, cases diagnosis	6.06%
	12		Attendance of multihead microscopic slide sessions for at least 3 days /week for 30 weeks including Microscopic examination of different categories of diseases and provisional diagnosis	36.3%
	3		Student teaching Attendance of at least 2 (1 day) sections/ week for 18 weeks	9.09%
	2		Practice in cytology lab for at least 1 day /week for 12 weeks (at least 50 cases) Recognize adequate and inadequate samples Differentiate between benign & malignant cells Reporting of cytologic specimens	6.06%
	3		Attendance of immunohistochemistry lab for 1 day/week for 18 weeks	9.09%
	1		Formative assessment	3.03%
Student signature			Principle coordinator Signature	Head of the department signature

# Year Four

**6 credit points for didactic, 33 credit points for training**

**Minimal rate of attendance is 80%**

**Didactic for year 4 include:**

<b>Unit 8: Soft tissue and Bone Pathology</b>
<b>Unit 9 : Neuropathology</b>
<b>Unit 10: Endocrine organs pathology</b>
<b>Unit 11: DermatoPathology</b>
<b>Unit 12: Cytology</b>



Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 8 Soft tissue and Bone	2	Pathology	Year 4	
	1.75 points		Topics and attendance	
	0.25		2.5 h Nonneoplastic disorders and tumor like conditions of the soft tissue	12.5%
	0.5		5 h Soft tissue tumors - Classification - Types - Differential diagnosis	25%
	0.25		2.5 h Nonneoplastic diseases of bone	12.5%
	0.5		5 h Bone tumors Classification Types	25%
	0.25		2.5 h And principles of Disease of the joints and Diseases of muscles	12.5%
	0.25		Formative Assessment	12.5%
Student signature			Principle coordinator Signature	Head of the department signature

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 9 Noeuropathology		Pathology	Year 4	
	1 points		Topics and attendance	
	0.25		2.5 h Diseases of brain tissue Intracranial space-occupying lesions Cerebrovascular disease	25%
	0.5		5 h Neoplasms: classification. Clinicopathological features. Characteristics of the various types	50%
	0.25		2.5 h Peripheral nervous system	25%
Student signature			Principle coordinator Signature	Head of the department signature

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 10 Endocrine		Pathology	Year 4	
	1 points		Topics and attendance	
	0.5		5 h Hyperthyroidism. .thyrotoxicosis Grave's disease Other causes thyrotoxicosis - functioning adenoma and toxic nodular goitre. Hypothyroidism. Myxoedema and cretinism. Hashimotos's thyroiditis - Solitary nodules - Neoplasms. Adenoma. Carcinomas - classification, pathogenesis including genetic and environmental factors and pre-existing thyroid disease. Morphology of the different types, spread, and clinical features including differences in prognosis. Lymphoma of the thyroid .Parathyroids	50%
	0.5		5 h Pituitary. Adrenals The Endocrine Pancreas. Diabetes mellitus: Islet cell tumours.	50%
Student signature			Principle coordinator Signature	Head of the department Signature

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 11 Dermatopathology		Pathology	Year 4	
	1 point		Topics and attendance	
	0.5		5 h Principles of The vocabulary of skin diseases: clinical and histological terms. Principles of skin .biopsy Acute inflammatory dermatoses: urticaria, dermatitis and erythema .multiforme Chronic inflammatory dermatoses: psoriasis and .lichen planus Bullous diseases: pemphigus, bullous pemphigoid and dermatitis .herpetiformis Eczema, psoriasis and ;lichenoid eruptions	50%
	0.5		5 h Common benign epithelial tumours. Squamous and basal cell carcinoma epidermal tumours; soft tissue tumours; cutaneous lymphoma; granulomatous and infectious diseases; .appendageal tumours/BCCs Naevi and dysplastic naevi. Malignant melanoma	50%
Student signature			Principle coordinator Signature	Head of the department signature

Name of the course	Credit points	Responsible department	Attendance	Percentage of Achieved points
Unit 12 Cytology		Pathology	Year 4	
	1 point		Topics and attendance	
	0.5		5 h Principles of Smear-taking technique Basic knowledge of preparation and staining techniques for common specimen types. Knowledge of use of special techniques, e.g. immunocytochemistry	50%
	0.5		5 h Diagnosis Features of malignancy in sites commonly investigated with cytopathology. Features of specific non-malignant Diagnoses, e.g. infection.	50%
Student signature			Principle coordinator signature	Head of the department signature

Clinical training	Credit points	Responsible department	Attendance	Percentage of Achieved points
Training at Pathology Laboratories	10	Pathology	Attendance of trimming room at pathology lab for at least 2 days /week for 30 weeks including The use of departmental protocols for the handling; of specimens including identification, documentation, entering patient data on to computer and measures to prevent specimen mix-ups (Cases are listed below)	30.3`%
	2		Attendance of Gynecologic lab for at least one day/week for 12 weeks including specimens handling and trimming, cases diagnosis	6.06%
	12		Attendance of multihead microscopic slide sessions for at least 3 days /week for 24 weeks including : Microscopic examination of different categories of diseases and provisional diagnosis	36.3%
	3		Student teaching Attendance of at least 2 (1 day) sections/ week for 18 weeks	9.09%
	2		Practice in cytology lab for at least 1 day /week for 12 weeks (at least 50 cases) Recognize adequate and inadequate samples Differentiate between benign & malignant cells Reporting of cytologic specimens	6.06%
	3		Attendance of immunohistochemistry lab for 1 day/week for 18 weeks	9.09%
	1		Formative assessment	3.03%
Student signature			Principle coordinator Signature	Head of the department signature



# unit 1 Pathologic basis of diseases



**Rotation / attendance proof**  
**الأماكن التي تدرب بها**

الفترة من - إلي	أسم المستشفى التي تدرب بها	توقيع رئيس القسم	توقيع مدير المستشفى





- Attendance of multihead microscope sessions (50 cases in each year)
- Practice at the department including interpretation of their different cases

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision

[illegible]

## **C- Procedures log book**

### **Requirements**

Perform the following lab skills:

- Possess sufficient manual dexterity to perform dissection safely and accurately, without damage to tissues
- Apply principles of specimen dissection, macroscopic description and block selection in neoplastic and nonneoplastic disease.
- Apply principles of dissection of all major cancer resection specimens
- Know when to resort to special techniques.
- Be able to recognize histological features of histochemical and immunohistochemical stains in normal and diseased tissues.
- Preparation and staining techniques for common specimen type

### **Observe:**

- 20 cases of gross description
- 20cases of trimming
- 20 cases of re-trimming

### **Log of under supervision:**

- 20 cases of gross description
- 20 cases of trimming

### **Independently Perform:**

- 20 cases of gross description
- 20 cases of trimming



**Be Able to describe and take appropriate blocks from**

	description	Trimming
Mastectomy. -Wide local excision for macroscopic Tumour		
Axillary lymph node dissection		
Radical gastrectomy. -Antrectomy -Colectomy/proctectomy for cancer or inflammatory bowel disease. - Appendicectomy. -Polypectomy		
Open biopsy of lung. Pneumonectomy or lobectomy		
Appropriate handling of orientated or complex skin specimens		
Lymph node for neoplastic and nonneoplastic disease. Taking tissue for supplementary techniques (e.g. flow cytometry)		
Mucosal biopsy. Tonsillectomy. Nasal polypectomy. Salivary gland tumours		
Hysterectomy and/or salpingo-oophorectomy for malignant or benign disease. Cervical loop/ cone biopsy		
Open biopsy of liver. Resections for metastatic tumour. Cholecystectomy		
Vas deferens. Prostate biopsies and chippings. Orchidectomy and prostatectomy Specimens		
Thyroidectomy. Parathyroidectomy		
Soft tissue tumour resection, simple (i.e. Lumpectomy) Neurosurgical tumour resection and biopsy Specimens		
Renal biopsies. Bladder biopsies. Nephrectomy specimens Handling a trephine bone-biopsy. Use of calcified versus de-calcified Section		



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

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed

## unit 2

# GIT and Liver Pathology





### Rotation / attendance proof

الأماكن التي تدرب بها

الفترة من - إلى	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

### A – Pathologic cases log

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Microscopic Examination and interpretation of at least 100 slides in each year related to diseases of   GIT and Liver including both neoplastic and non neoplastic lesions</li> <li>- recognize H pylori, esophageal and gastric malignancies in biopsy</li> <li>- report esophageal and gastric malignancy resection specimens</li> <li>- report benign and malignant lesions in endoscopic biopsies</li> <li>- recognize normal, benign and malignant lesions in biopsies</li> <li>- report IBD in Biopsy</li> <li>- report colorectal carcinoma resection specimen</li> <li>- report normal liver in bx and special stains</li> </ul>	100 slides In each year
<ul style="list-style-type: none"> <li>- Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.</li> </ul>	20 cases In each year

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision



Attendance of at least 80% of course lectures

[illegible]

## C- Procedures log book

Requirements perform the following in each year

Cases	Number
Gross specimen log of - Radical esophagectomy - Radical gastrectomy - endoscopic biopsy orientation - colectomy for cancer or inflammatory bowel disease - appendicectomy - polepectomy Liver: - open biopsy liver - resection for metastatic tumors - cholecystectomy	- <b>Observe:</b> <ul style="list-style-type: none"> <li>• 10 cases of gross description</li> <li>• 10 cases of trimming</li> </ul> - <b>Log of under supervision:</b> <ul style="list-style-type: none"> <li>- 10 cases of gross description</li> <li>- 10 cases of trimming</li> </ul> - <b>Independently Perform:</b> <ul style="list-style-type: none"> <li>- 5 cases of gross description</li> </ul>



## Gross description and Trimming

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



## Gross description and Trimming

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

## unit 3

# Pathology of Female Genital Organs and Breast





### Rotation / attendance proof الأماكن التي تدرب بها

الفترة من - إلي	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

#### A – Pathologic cases log

#### Requirements

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Microscopic Examination and interpretation of at least 100 slides including both neoplastic and non neoplastic lesions</li> <li>- report leiomyomata</li> <li>- Endometrial dating</li> <li>- report endometrial and cervical cancer</li> <li>- report hysterectomy</li> <li>- diagnose benign and malignant breast lesions in biopsy</li> <li>-report mastectomy or wide local excisions specimens</li> </ul>	100 cases in each year
-Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.	20 cases I each year

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision



## Requirements:

[illegible]

## C- Procedures log book

### Requirements for each year

Cases	Number
Gross specimen log of	-
- Hysterectomy with bilateral salpingoopherectomy for benign and malignant diseases	- <b>Observe:</b>
- Cervical cone bx	• 5 cases of gross description
- Endometrial curettage	• 5 cases of trimming
- Breast: lumpectomy and mastectomy	- <b>Log of under supervision:</b>
- Axillary lymph node dissection	- 5 cases of gross description
	- 5 cases of trimming
	- <b>Independently Perform:</b>
	- 5 cases of gross description
	- 5 cases of trimming



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



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

## unit 4

# Genitourinary Pathology





### Rotation / attendance proof الأماكن التي تدرب بها

الفترة من - إلي	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

### A – Pathologic cases log

#### Requirements

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Microscopic Examination and interpretation of at least 100 slides related to</li> <li>- inflammatory lesion and cancer in bladder bx</li> <li>- report glomerulonephritis and special techniques</li> <li>- report radical nephrectomy</li> <li>- recognize cancer in prostatic needle bx</li> <li>- report orchidectomy</li> <li>- determine male infertility</li> </ul>	100 cases in each year
-Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.	20 cases in each year

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision

[illegible]

## C- Procedures log book

### Requirements for each year

Cases	Number
Gross specimen log of	-
-renal biopsy	• 5 cases of gross description
- Bladder bx and cystectomy	• 5 cases of trimming
- Radical nephrectomy	-
- Prostate biopsy and chipping	- <b>Log of under supervision:</b>
- orchedectomy	- 5 cases of gross description
- Prostatectomy	- 5 cases of trimming
- Testicular bx	- <b>Independently Perform:</b>
	- 5 cases of gross description
	- 5 cases of trimming



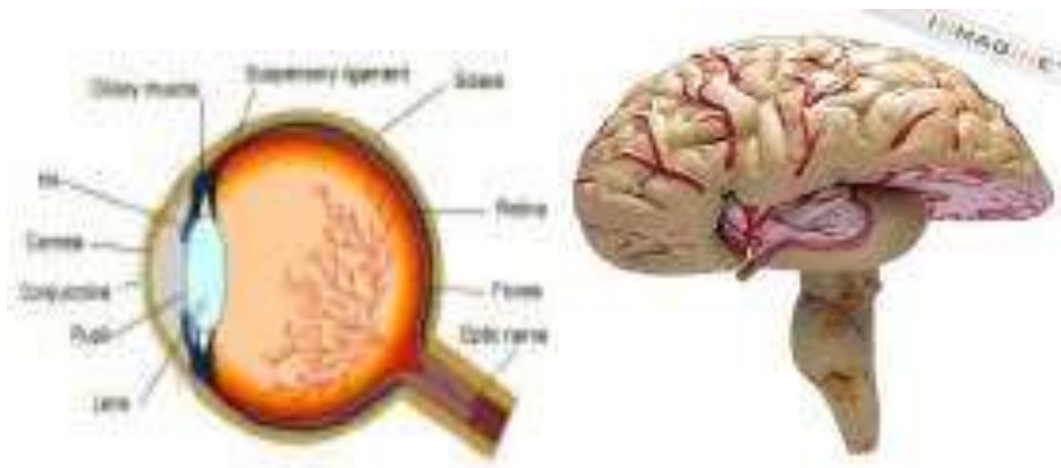
\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed



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

## unit 5

# Head and neck Pathology





## Rotation / attendance proof

الأماكن التي تدرب به

الفترة من - إلي	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

## A – Pathologic cases log

### Requirements

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Examination of at least 100 slides related to diseases of head and neck including both neoplastic and non neoplastic lesions</li> <li>- Identify reactive versus malignant conditions</li> <li>- Typing of salivary gland tumors</li> <li>- Nasopharyngeal reactive conditions</li> <li>- Tumors of the eye</li> </ul>	100 cases In each year
Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.	20 cases In each year



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

[illegible]

C- Carry out under supervision

[illegible]

## C- Procedures log book

### Requirements

Cases	Number
<b>Gross specimen log of</b> - Tonsillectomy - Eye enucleation - Polypectomy - Laryngectomy - Salivary gland tumors	- <b>Observe:</b> <ul style="list-style-type: none"> <li>• 10 cases of gross description</li> <li>• 10 cases of trimming</li> </ul> - <b>Log of under supervision:</b> <ul style="list-style-type: none"> <li>- 10 cases of gross description</li> <li>- 10 cases of trimming</li> </ul> <b>Independently Perform:</b> <ul style="list-style-type: none"> <li>- 10 cases of gross description</li> <li>- 10 cases of trimming</li> </ul>



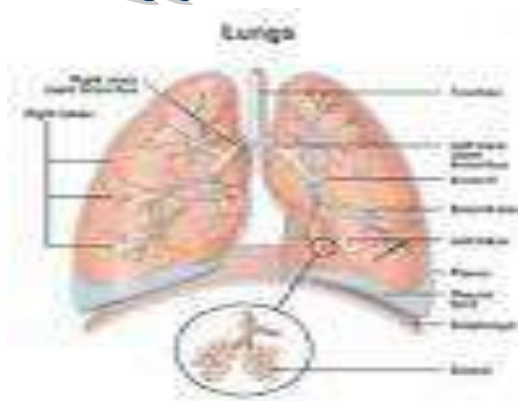
\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed



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

## unit 6

# Pathology of Intrathoracic organs





## Rotation / attendance proof

الأماكن التي تدرب بها

الفترة من - إلي	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

## A – Pathologic cases log

### Requirements

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Microscopic Examination and interpretation of at least 100 slides related to diseases of lungs heart and blood vessels including both neoplastic and non neoplastic lesions</li> <li>- recognize presence of cancer in lung biopsies and typing</li> <li>- Inflammatory lesions</li> <li>- report lung cancer resection specimens</li> <li>- recognize vasculitis</li> <li>- report endocarditis</li> <li>- differential diagnosis of mediastinal mass in needle bx</li> </ul>	50 cases in each year
<p>Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.</p>	20 cases

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision

[illegible]

## C- Procedures log book

### Requirements

Cases	Number
Gross specimen log of - Open lung biopsy - lobectomy and pneumonectomy - Pleural biopsy - blood vessels orientation - valve and endomyocardial biopsies	- <b>Observe:</b> <ul style="list-style-type: none"> <li>• 5 cases of gross description</li> <li>• 5 cases of trimming</li> </ul> - <b>Log of under supervision:</b> <ul style="list-style-type: none"> <li>• 5 cases of gross description</li> <li>• 5 cases of trimming</li> </ul> - <b>Independently Perform:</b> <ul style="list-style-type: none"> <li>• 5 cases of gross description</li> <li>• 5 cases of trimming</li> </ul>



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





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

## unit 7

# Haematopoietic and lymphatic Pathology



### **Rotation / attendance proof**

الأماكن التي تدرب بها

الفترة من - إلى	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

### **A – Pathologic cases log**

#### **Requirements**

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Practice for at least one year in the department including interpretation of their different cases</li> <li>- Or 5 hours/ working day</li> </ul> <p>Microscopic examination and diagnosis log of:</p> <ul style="list-style-type: none"> <li>- screen lymph node for metastatic tumors</li> <li>- recognize common reactive nodal patterns</li> <li>- report lymphomas</li> <li>- common diseases of the spleen</li> </ul>	50 cases in each year
Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.	20 cases

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision



Attendance of at least 80% of course lectures

[illegible]



## C- Procedures log book

### Requirements for each year

Cases	Number
lymph node for neoplastic and non neoplastic nodal lesions - taking tissue for supplementary techniques	- <b>Observe:</b> <ul style="list-style-type: none"> <li>• 5 cases of gross description</li> <li>• 5 cases of trimming</li> </ul> - <b>Log of under supervision:</b> <ul style="list-style-type: none"> <li>5 cases of gross description</li> <li>5 cases of trimming</li> </ul> - <b>Independently Perform:</b> <ul style="list-style-type: none"> <li>5 cases of gross description</li> <li>5 cases of trimming</li> </ul>

-



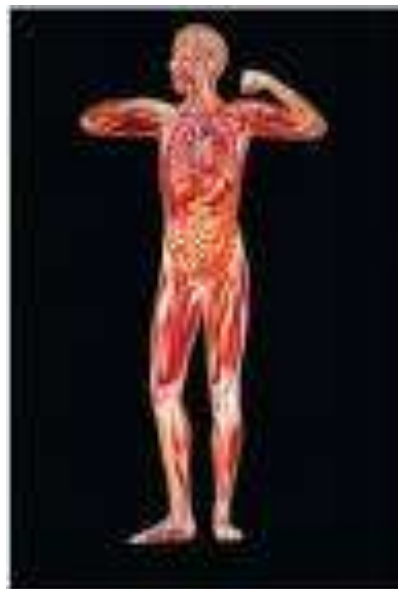
\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed



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

## unit 8

# Soft Tissue and Bone Pathology



### ***Rotation / attendance proof***

*الأماكن التي تدرب بها*

الفترة من - إلي	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

### **A – Pathologic cases log**

#### **Requirements**

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Practice for at least one year in the department including interpretation of their different cases</li> <li>- Microscopic Examination and interpretation log: of at least 50 slides related to diseases of both neoplastic and non neoplastic lesions</li> <li>- recognize morphological features suggestive of main subtypes of tumors of the soft tissue</li> <li>- recognize normal bone and normal synovium</li> <li>- benign and malignant bone lesions</li> <li>- diagnose pseudosarcoma</li> </ul>	50 cases in each year
Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.	20 cases

[illegible]

C- Carry out under supervision

[illegible]

C- Carry out under supervision



Attendance of at least 60% of course lectures

[illegible]



## C- Procedures log book

### Requirements

<p>Log of:</p> <ul style="list-style-type: none"> <li>- soft tissue tumor resection</li> <li>- calcified versus decalcified bone specimens</li> <li>- synovectomy samples</li> </ul>	<ul style="list-style-type: none"> <li>- <b>Observe:</b> <ul style="list-style-type: none"> <li>• 5 cases of gross description</li> <li>• 5 cases of trimming</li> </ul> </li> <li>- <b>Log of under supervision:</b> <ul style="list-style-type: none"> <li>5 cases of gross description</li> <li>5 cases of trimming</li> </ul> </li> <li>- <b>Independently Perform:</b> <ul style="list-style-type: none"> <li>5 cases of gross description</li> <li>5 cases of trimming</li> </ul> </li> </ul>
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\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed



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

# unit 9

# Neuropathology



## Rotation / attendance proof

الأماكن التي تدرب بها

الفترة من - إلى	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

## A – Pathologic cases log

### Requirements

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Practice for at least one year in the department including interpretation of their different cases</li> </ul> <p>Log of :</p> <ul style="list-style-type: none"> <li>- Diagnose and distinguish primary from metastatic tumors of the brain</li> <li>- recognize the most common types of gliomas</li> <li>- diagnose benign tumors of the meninges, brain and peripheral nerves</li> </ul>	<p>25 cases In each year</p>
<p>Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.</p>	<p>10 cases</p>

[illegible]

C- Carry out under supervision

[illegible]

## C- Procedures log book

### Requirements

Cases	Number
Log of : - Neurosurgical tumors resection and bx specimens - stereotactic biopsies - Nerve biopsies	- <b>Observe:</b> <ul style="list-style-type: none"> <li>• 5 cases of gross description</li> <li>• 5 cases of trimming</li> </ul> - <b>Log of under supervision:</b> <ul style="list-style-type: none"> <li>- 5 cases of gross description</li> <li>- 5 cases of trimming</li> </ul> - <b>Independently Perform:</b> <ul style="list-style-type: none"> <li>- 5 cases of gross description</li> <li>- 5 cases of trimming</li> </ul>

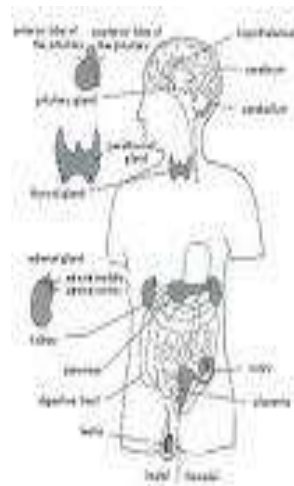




\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed

# UNIT 10

## Endocrine Pathology



### Rotation / attendance proof

الأماكن التي تدرب بها

الفترة من - إلي	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

### A – Pathologic cases log

#### Requirements

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Practice for at least one year in the department including interpretation of their different cases</li> </ul>	25 cases in each year
<p>Log of :</p> <ul style="list-style-type: none"> <li>- recognize normal thyroid and parathyroid</li> <li>- recognize benign and malignant lesions of endocrine organs</li> </ul>	
<p>Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.</p>	10 cases

[illegible]

C- Carry out under supervision

[illegible]

## C- Procedures log book

### Requirements

Cases	Number
<ul style="list-style-type: none"> <li>- thyroidectomy</li> <li>- parathyroidectomy</li> </ul> suprarenal biopsy	<ul style="list-style-type: none"> <li>- <b>Observe:</b> <ul style="list-style-type: none"> <li>• 5 cases of gross description</li> <li>• 5 cases of trimming</li> </ul> </li> <li>- <b>Log of under supervision:</b> <ul style="list-style-type: none"> <li>5 cases of gross description</li> <li>5 cases of trimming</li> </ul> </li> <li>- <b>Independently Perform:</b> <ul style="list-style-type: none"> <li>5 cases of gross description</li> <li>5 cases of trimmin</li> </ul> </li> </ul>

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed

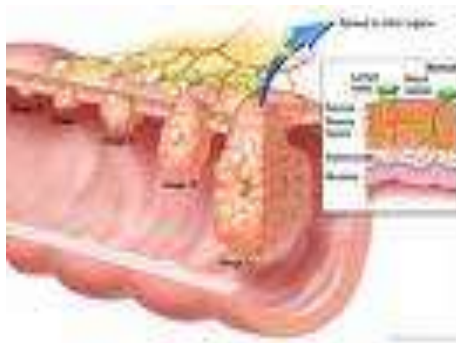


\* Level of competency  
A- Independent performance  
B- Performance under supervision  
C- Observed



# UNIT 11

# Dermatopathology



## Rotation / attendance proof

الأماكن التي تدرب بها

الفترة من - إلى	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

## A – Pathologic cases log

### Requirements

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Practice for at least one year in the department including interpretation of their different cases</li> <li>- Microscopic Examination and interpretation of slides related to skin lesions</li> <li>- Diagnose basic skin cancer types</li> <li>- Presence of severely atypical features in naevi.</li> <li>- Adequate morphological description of features seen in an inflammatory skin biopsy</li> </ul>	25 cases in each year
Daily Review of Surgical Pathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final surgical pathology report.	20 cases



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

[illegible]

C- Carry out under supervision

[illegible]

## Procedures log book

### Requirements

Cases	Number
Log of -Accurate gross description of skin lesions. -Appropriate handling of ori-entated or complex skin specimens .	<p>- <b>Observe:</b></p> <ul style="list-style-type: none"> <li>• 5 cases of gross description</li> <li>• 5 cases of trimming</li> </ul> <p>- <b>Log of under supervision:</b></p> <ul style="list-style-type: none"> <li>- 5 cases of gross description</li> <li>- 5 cases of trimming</li> </ul> <p>- <b>Independently Perform:</b></p> <ul style="list-style-type: none"> <li>- 5 cases of gross description</li> <li>- 5 cases of trimming</li> </ul>



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

## UNIT 12

# Cytopathology





***Rotation / attendance proof***  
**الأماكن التي تدرب بها**

الفترة من - إلى	أسم المعامل التي تدرب بها	توقيع رئيس القسم	توقيع مدير المعمل

**A – Pathologic cases log**

**Requirements**

Cases	Number
<ul style="list-style-type: none"> <li>- Attendance of at least 50% of practical multihead microscope sessions</li> <li>- Practice for at least one year in the department including interpretation of their different c</li> <li>- Recognize inadequate samples</li> <li>- Differentiate between benign &amp; malignant cells</li> <li>- Proper reporting</li> </ul>	50 cases in each year
Daily Review of cytopathology Cases: The candidate will participate in the daily microscopic evaluation of specimens. He/She will be expected to review the microscopic slides in advance, obtain appropriate histories from patient's medical records, and arrive at a preliminary diagnosis. The candidate will then be responsible for assimilating and dictating the final report.	10 cases



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

[illegible]



## **Procedures log book**

### **Requirements**

#### **Observe:**

- 20 cases of cytologic preparation

#### **Log of under supervision:**

- 20 cases of cytologic preparation

#### **Independently Perform:**

- 20 cases of cytologic preparation

[illegible]

A- Independent performance  
B- Performance under supervision  
C- Observed



- Attendance of at least 50% of the departmental seminars
- Presentation of at least 3 cases in the seminar per year
- Log of at least 1 evidence-based guideline

## First: Attendance

[illegible]

[illegible]

[illegible]





## Students teaching

[illegible]

[illegible]

[illegible]



## Log of Student teaching for year 3

MD Degree of Pathology Log Book



## Log of Student teaching for year 4

MD Degree of Pathology Log Book

## 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)
Demonstrate the competency of continuous evaluation of different types of care provision to patients in the different area of his field.						
Appraise scientific evidence.						
Continuously improve patient care based on constant self-evaluation and <u>life-long</u> learning.						
Participate in clinical audit and research projects.						

General skills	could not judge (0)	strongly disagree(1)	(3) (2)	(5) (4)	(6)	strongly agree (7)
Practice skills of evidence-based Medicine (EBM).						
Educate and evaluate students, residents and other health professionals.						
Design logbooks.						
Design clinical guidelines and standard protocols of management.						
Appraise evidence from scientific studies related to the patients' health problems.						
Apply knowledge of study designs and statistical methods to the appraisal of clinical studies.						
Use information technology to manage information, access on- line medical information; for the important topics.						
Master interpersonal and communication skills that result in the effective <u>exchange of information and collaboration</u> with patients, their families, and health professionals, including:- <ul style="list-style-type: none"> <li>• <u>Present</u> a case.</li> <li>• <u>Write</u> a consultation note.</li> <li>• <u>Inform patients</u> of a diagnosis and therapeutic plan Completing and maintaining comprehensive.</li> <li>• Timely and legible <u>medical records</u>.</li> <li>• Teamwork skills.</li> </ul>						

<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>
Create and sustain a therapeutic and ethically sound relationship with patients.								
Elicit and provide information using effective nonverbal, explanatory, questioning, and writing skills.								
Work effectively with others as a member or leader 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, and business practices.								
Demonstrate sensitivity and responsiveness to patients' culture, age, gender, and disabilities.								
Work effectively in health care delivery settings and systems related to specialty including good administrative and time management.								
Practice cost-effective healthcare and resource allocation that does not compromise quality of care.								



General skills	could not judge (0)	strongly disagree(1)	 (2 ) (3)		 (4 ) (5)		 (6)  strongly agree (7)
Advocate for quality patient care and assist patients in dealing with system complexities.							
Design, monitor and evaluate specification of under and post graduate courses and programs.							
Act as a chair man for scientific meetings including time management							

# Elective Course 1

## Requirements

● **Credit points:** 1.5 credit point.

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

### One of these courses

- Advanced medical statistics.
- Evidence based medicine.
- Advanced infection control.
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- -Hospital management



**Pathology Department**  
**Faculty of Medicine**

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

## Elective Course Lectures

[illegible]

[illegible]

# Elective Course 2

## Requirements

● **Credit points:** 1.5 credit point.

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

### One of these courses

- Advanced medical statistics.
- Evidence based medicine.
- Advanced infection control.
- Quality assurance of medical education.
- Quality assurance of clinical practice.
- -Hospital management



## Elective Course Lectures

[illegible]

[illegible]



## Lecture, journal club, conference, workshop

[illegible]

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**\*\* Your role:-**

## A- Attendance

## B- Organization

## C- Presentation



[illegible]

A- Excellent  
B- Very good  
C- Good  
D- Pass

### الرسائل العلمية

عنوان الرسالة

عربي : \_\_\_\_\_

انجليزي : \_\_\_\_\_

المشرفون : \_\_\_\_\_

1- \_\_\_\_\_

2- \_\_\_\_\_

3- \_\_\_\_\_

4- \_\_\_\_\_

تاريخ القيد لدرجة : ..... / / 2008

تاريخ التسجيل الموضوع : .....

المتابعة الدورية : .....

التاريخ	ما تم انجازه من برتول البحث	المتبقي	توقيع المشرفين



## Declaration

Course Structure Mirror	Responsible (course) Coordinator Name:	Signature	Date
Course 1 Medical statistics			
Course 2 Research methodology			
Course 3 Medicolegal Aspects and Ethics in Medical Practice and Scientific Research			
Course 4 Pathology 1 Unit 1: Immunohistochemistry			
Course 4 Pathology 1 Unit 2: basics of molecular pathology			
Course 5 Pathology 2 1) General pathology 2) GIT and Liver pathology 3) Pathology of female genital organs and breast 4) Genitourinary Pathology 5) Head and neck pathology 6) Pathology of intrathoracic organs 7) Haematopoietic and lymphatic 8) Soft tissue and Bone Pathology 9) Neuropathology 10) Endocrine organs pathology 11) dermatopathology 12) Cytopathology			
- Elective Course (1) Certificate Dates:			
- Elective Course (2) Certificate Dates:			
- M. D. Thesis Acceptance Date:			
- Fulfillment of required credit points prior to final examination			
Pathology M.D. Degree Principle Coordinator:			
Date approved by Pathology Department Council:			

يعتمد ،  
رئيس القسم