



Menoufia Faculty of Medicine  
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# MMIP Program Level 6

# **SEMESTER 6A**

# Pediatrics I

**University: Menoufia**

**Faculty: Medicine**

## A-Administrative information

**Course Title: Pediatrics I**

**Code: MMIP-PEDI 601**

**Department offering the course: Pediatrics Department.**

**Program (s) on which the course is given: Menoufia  
M.B.B.ChInedrale Program (MMIP).**

**Department(s) offering the program: Pediatrics Department.**

**Academic year/level: 6th Year.**

**Semester: 6A.**

**Credit/taught hours:7 credit/10 taught/week**

**Lectures: 4 credit hrs/ 60 taught hrs Practical: 3 credit hrs/ 90  
taughthrs. Total: 7 credit hrs/ 150taught**

## 3- Course Contents

<b>Topic</b>	<b>Hours for lectures</b>	<b>Hours for tutorial and other small groups or project</b>	<b>Hours for practical</b>
<b>1-Growth and Development</b>	<b>8</b>	<b>3</b>	<b>10</b>

<b>2-Nutrition and Infant Feeding</b>	6	4	<b>12</b>
<b>3-Perinatology/Neonatology</b>	12	4	<b>14</b>
<b>4-Social and Preventive Pediatrics</b>	4	0	<b>0</b>
<b>5-Genetics and Dysmorphology</b>	6	2	<b>8</b>
<b>6-Nephrology</b>	10	3	<b>12</b>
<b>7-Infectious and Parasitic Diseases</b>	6	0	<b>0</b>
<b>8-Gastroenterology and Hepatology</b>	6	4	<b>12</b>
<b>Total</b>	<b>60</b>	<b>20</b>	<b>70</b>

**Detailed description of course topics**

**A- THEORETICAL COURSE:**

**1. GROWTH & DEVELOPMENT:**

- Normal patterns of growth and development, and factors affecting them.
- Normal developmental milestones.
- Abnormal patterns of growth and development, and causative factors.
- Instruments of anthropometric measurement and their application including body-mass index (BMI), normal and abnormal.
- Tools of developmental evaluation in infancy, childhood, and adolescence.

**2. NUTRITION & INFANT FEEDING:**

Nutritional counseling of families regarding:

- Breastfeeding.
- Complementary feeding.
- Appropriate balance of food groups qualitatively and quantitatively in the diet.

Basic vitamin groups and their common dietary sources.

- Dietetic history that includes the types, amount, and frequency of milk feeds, solid foods and dietary supplements.
- Infant weaning.
- Protein energy malnutrition syndromes.
- Common vitamins and mineral deficiencies.
- Nutritional risk factors for cardiac disease and diabetes.
- Nutritional assessment in children beyond infancy in situations when growth is inadequate or excessive or when family risk factors suggest the possibility that nutritional modification will be needed.

### **3. PERINATOLOGY & NEONATOLOGY:**

- Obstetrical and neonatal risk factors.
- Care of the normal newborn.
- Neonatal resuscitation.
- Growth patterns and nutrition of the newborn.
- Neonatal mortality.
- Common neonatal problems:
  - Prematurity and low birth weight.
  - Birth injuries.
  - Respiratory disorders.
  - Hyper-bilirubinemia.
  - Sepsis.
  - Neurological disorders.
  - Cardiovascular disorders.
  - Hematological disorders.
  - Metabolic disorders.
  - Surgical emergencies.

### **4. SOCIAL & PREVENTIVE PEDIATRICS:**

- Pattern of morbidity and mortality in the society.
- Integrated Management of Childhood Illness (IMCI) and its role in preventive and social aspects of pediatrics.
- Immunization program.

- Common teratogenic agents and their effect on the child health.

## **5. GENETICS & DYSMORPHOLOGY:**

- Basic mechanism of Mendelian inheritance, multifactorial inheritance, and the “carrier” state.
- History taking and examination skills relevant to genetic and dysmorphic disorders.
- Causes of malformation and genetic disorders and basic knowledge of the appropriate diagnostic tests and clinical course for common disorders.
- Antenatal diagnosis and newborn screening programs.
- Common chromosomal syndromes (Down Syndrome).

## **6. NEPHROLOGY:**

- Common symptoms of renal and urinary tract disorders.
- Developmental renal and urinary tract disorders.
- Acquired glomerular diseases (nephrosis, nephritis, acute and chronic renal failure).
- Urinary tract infections.

## **7. INFECTION & PARASITIC INFECTION:**

- Common exanthemata: measles, German measles, roseola infantum, fifth disease, scarlet fever, varicella-zoster, etc.
- Common enanthemata (e.g., oral moniliasis, herpetic stomatitis).
- Diphtheria, tetanus, pertussis, mumps and hemophilus.
- GIT and hepatic infections (e.g., salmonellosis, shigellosis, hepatitis).
- Common parasitic infestations: schistosomiasis, malaria, amebiasis, giardiasis.
- CNS infections: meningitis, encephalitis.
- Tuberculosis.
- Septic shock.
- Fever of unknown etiology.

## **8. GASTROENTEROLOGY:**

- Acute GE, chronic and persistent diarrhea.
- Dehydration.
- Vomiting.
- Abdominal pain.

- Ascitis.
- Hepatomegaly/splenomegaly.
- Jaundice.

## **B- CLINICAL TRAINING COURSE**

- History taking.
- General Examination.

## **I- Clinical Cases:**

### **1. NUTRITION**

- PEM.
- Rickets.

### **2. GENETIC**

- Trisomy 21.
- Mental retardation.

### **3. NEONATOLOGY**

- Preterm.
- Jaundice..

### **4. NEPHROLOGY**

- AGN.
- NS.

### **5. GIT**

- Gastroenteritis.
- Dehydration.
- Hepatosplenomegaly.

### **6. HEMATOLOGY**

- Anaemias.
- Purpura.
- Leukemia (All).

## **A. Physical signs (OSCE):**

## **1. NEONATOLOGY:**

- o Neonatal resuscitation (model).
- o Moro reflex..

## **2. ABDOMEN**

- o Liver.
- o Spleen.
- o Ascites..

## **3. NEPHROLOGY**

- o Palpation of kidneys.
- o Oedema.

## **4. NUTRITION**

- o Head circumference.
- o Anterior frontanelle.

## **Practical Training**

### **CourseRadiology**

- Interpretation of conventional x-rays.



# Internal Medicine IV

**University: Menoufia**

**Faculty: Medicine**

## A-Administrative information

**Course Title:** Internal medicine IV

**Code:** MMIP-INTM 602

**Department offering the course:** Internal Medicine Department and Tropical Medicine Department.

**Program on which the course is given:** MMIP

**Academic year:** Sixth year

**Semester:** 6 A

**Taught hours:** Lectures/ tutorial: (2 credit hour) 30 hrs. Practical: (2 credit h) 60h Total: (4 credit hrs) (90h)

## Course Contents

**I- G.I.T & LIVER COURSE (Theoretical: 18 Hours; 14 hrslectures, 4 hrs tutorial)**

GIT 1:- GERD

GIT 2 :-Peptic ulcer disease 1

GIT 3:-malabsorbtion syndrome 2

GIT 4:-ulcerative colitis

GIT 5:-functional colonic disorder

GIT 6:-G.I.T malignancy

GIT 7 :- pancreatic diseases

GIT 8 :- gall bladder disease

GIT 9: crohn disease

GIT 10 :esophageal motility disorders

GIT 11:-jaundice

GIT 12 :-acute hepatitis

GIT 13:chronic hepatitis

GIT 14 :-Fatty liver

GIT 15:-focal hepatic lesions

GIT 16:- liver cell failure

GIT 17:-Ascites & peritoneal disease

GIT 18 : liver cirrhosis

**II- Tropical Medicine (Theoretical: 12 Hours; 10 hrs lectures, 2hrs tutorial)**

1. Brucella& typhoid fever.
2. HIV
3. Filariasis
4. Meningitis
5. Schistosomiasis
6. Amebiasis
7. Malaria
8. Acute viral hepatitis
9. H.pylori
10. Toxoplasma
11. Viral hemorrhagic fever
12. Kala-azar
13. Infectious diarrhea

**Clinical training Course 2credit hours =60 practical hours**

**40 practical hour in internal medicine department and 20 practical hours in tropical medicine department**

**Clinical internal medicine training Course**

History taking General Examination

**Gastroenterology case taking &Examination:**

Upper GIT symptoms Hepatobiliary symptoms Local abdominal examination  
Hepatic cases.

## **SURGERY IV**

**University: Menoufiya**

**Faculty: Medicine**

### **A-Administrative information**

**Course Title:** Surgery IV.

**Code:** MMIP –SURG 603.

**Department offering the course:** General Surgery Department.

**Program(s) on which the course is given:** MMIP.

**Academic year:**

**Sixth year**

**Semester:** 6A.

**Credit hours:4 / Taught hrs: 90**

Lecture: 2 credit hrs/ 30 Taught hrs.

Practical: 2 credit hrs/ 60 Taught hrs.

.Total: Credit

hours:4 / Taught hrs: 90.

### **Contents**

***\*GIT and abdominal surgery: (30 hrs theoretical (Lectures and tutorials),60 hrs clinical)***

- Abdominal trauma.
- Abdominal wall hernia.
- Endoscopic and laparoscopic surgery.
- Acute abdomen.
- Esophagus.
- Stomach and duodenum.

- Liver.
- Portal hypertension.
- Biliary system.
- Pancreas.
- Spleen.
- Small intestine.
- Larger intestine.
- Appendix.
- Peritoneum, mesentery and omentum.
- Diaphragmatic hernia.
- Obesity & bariatric surgery.
- Pediatric surgery and anomalies of the gastrointestinal tract.

### **CLINICAL ROUNDS:**

- History taking and clinical examination.
- Abdominal swellings including; organomegally and swellings indifferent quadrants.
- Abdominal pain and dyspepsia.
- Dysphagia.
- Haematemesis.
- Jaundice of surgical importance.
- Hepatomegally.
- Splenomegally.
- History taking in anal and rectal disease.
- Clinical diagnosis of hernia cases: inguinal, femoral and umbilical.
- Scrotal and inguinoscrotal swellings.

### **--LIST (1): LIST OF JARS:**

#### **1- GIT Jars Include:**

- Carcinoma of the stomach.
- Colon polyps.
- Carcinoma of the rectum.
- Carcinoma of the caecum.
- Intussusception.

- Multiple polyposis of the colon.
- Acute appendicitis.
- Typhoid ulcer of the colon.

#### **2- Hepatobiliary:**

- Chronic calcular cholecystitis.
- Multiple liver metastasis.
- C.C.C. with a solitary cholesterol stone.

#### **4- Spleen:**

- splenic injury.
- Splenomegally.
- Splenic focal lesion.
- Multiple focal lesions of the spleen.

#### **--LIST (2): LIST OF SURGICAL ANATOMY TOPICS:**

- Abdominal wall.
- The inguinal canal.
- The stomach.
- The rectum and anal canal.
- The liver.
- The spleen.
- The kidneys.
- Muscles: Rectus abdominis, quadriceps, psoas major and diaphragm.

#### **--LIST (3): LIST OF OPERATIVE PROCEDURES:**

- Hernia operations.
- Management of inguinal hernia (technique).
- Management of strangulated inguinal hernia.
- Surgical management of hydrocele.
- Varicocelelectomy.
- Appendectomy.
- Management of a stab wound in the right hypochondrium.
- Management of rupture spleen.
- Principles of management of adhesive intestinal obstruction.
- Management of bleeding esophageal varices.

- Management of bleeding peptic ulcer.
- Management of infantile ileocecal intussusception.
- Principles of management of hemorrhoids.
- Management of acute anal fissure.

**--LIST (5): BEDSIDE SKILLS:**

- PR examination.
- Insertion of nasogastric tube.

## Pathology VI

**University: Menoufia**

**Faculty: Medicine**

### A-Administrative information

**Course title :** Pathology VI

**Code No:** MMIP- PATH 604

**Department offering the course:**

**Pathology**

**Programme(s) on which the course is given:**

**MMIP**

**Academic year:** Sixth year

**Semester:** 6A

**Credit hours:**

**Lecture: 0.5 credit hour/ 7.5 taught hours**

**Practical: 0.5 credit hour/ 15 taught hours**

**(22.5 taught hrs)**

**Total: 1 credit hour**

## Pharmacology VI

**University: Menoufia**

**Faculty: Medicine**

### A-Administrative Information

**Course title :** Pharmacology VI

**Code No:** MMIP-PHAR 605

**Department offering the course:**

**Clinical Pharmacology**

Department

**Programme(s) on which the course is given:**

MMIP

**Academic year:** Sixth year

**Semester:** 6A

**Credit hours:**

**Lecture:**0.5 credit hours/ 7.5 taught hours **Practical:** 0.5 credit hour/15taught hours. **Total:** 1 credit hour/22.5 taught hours

### **Course Contents:**

Semester	Code &Content	Lecture	Practical
6A	Pharmacology of GIT	5	5
	Special chemotherapy	1.5	5
	vitamins	1	5
Total		7.5	15

#### **Detailed description of topics**

##### **1- Pharmacology of GIT:**

Drug therapy of peptic ulcer , emetics and antiemetics , prokinetic drugs , purgatives and antidiarrheal drugs.

##### **2- Special chemotherapy:**

Chemotherapy of malaria , chemotherapy of amebiasis , antiprotozoaland antihelminthics.

##### **3- Vitamins**

## FAMILY MEDICINE V

University: Menoufia

Faculty: Medicine

### A-Administrative information

Course title: Family medicine V

Code: MMIP- FAML 606

Program on which the course is given: MMIP

Department offering the course: Family medicine

Academic year / Level: 6<sup>th</sup> year

Semester: 6A

**Credit hours: Lectures: 1 credit hour (15 theoretical hours). Practical: 0.5 credit hours ( 12 hours practical - 3 hours field training) Total:1.5credit hours 15 hours theoretical – 15 hours practical**

### Course Contents:

No	Topic	No of hours			total
		Theoretical	Practical		
			Clinical rounds	Field visits	
1	Approach to Neonates in family practice	2	----	----	1
2	Approach to child with fever in family practice	2	2	1	4
3	Primary health care for adolescent in family health practice	2	4	1	7
4	Common GIT problems in family practice	2	4	1	7
5	Approach to parasitic infestation in family practice	2	----	----	1
6	Smoking cessation	1	2		2
7	Integrated management of childhood illness	2	----	----	1
	Integrated seminar	2	---	----	----
	Total	15	12	3	30



# SEMESTER 6B

# PEDIATRICS II

**University: Menoufia**

**Faculty: Medicine**

## A-Administrative information

**Course Title:** Pediatrics II

**Code:** MMIP-PEDI-607

**Department offering the course:** Pediatrics Department.

**Program (s) on which the course is given:** Menoufia M.B.B.Ch  
Integrated Program.

**Department(s) offering the program:** Pediatrics Department.

**Academic year/level:** 6th Year.

**Semester:** 6B.

**Credit/taught hours:** 6 credit hrs

**Lectures:** 3 credit hrs/ 45 taught hrs **Practical:** 3 credit hrs/ 90  
taughthrs. **Total:** 6 credit hrs/ 150taught

## Course Contents

Topic	Hours for lectures	Hours for tutorial and other small groups or project	Hours for practical
1-Cardiovascular System	6	6	12
2.Respiratory System	7	4	8
3- Hematology/Oncology	8	6	12
4-Endocrinology and Metabolism	6	2	8
5-Neuromuscular Disorders	8	8	12
6 - Pediatric Emergencies	6	4	8
7 - Behavioral Pediatrics	4	0	0
<b>Total</b>	<b>45</b>	<b>30</b>	<b>60</b>

## Detailed description of course topics

### **A- THEORETICAL COURSE:**

#### **1. CARDIOVASCULAR SYSTEM:**

- Hemodynamics of the normal heart.
- Rheumatic fever and rheumatic heart disease.
- Pathophysiology of the more common congenital heart defects(ASD, VSD, PDA, PS, and Fallot's tetralogy).
- Indications and hazards of various types of cardiovascular investigations.
- Basic mechanisms of heart failure and the principles of its management in the pediatric patient.

#### **2. RESPIRATORY SYSTEM:**

- Rhinitis, pharyngitis, tonsillitis, adenoiditis, and otitis media.
- Laryngitis, epiglottitis, and tracheitis.
- Bronchitis, bronchiolitis, and bronchiectasis.
- Acute pneumonia.
- Wheezy chest and bronchial asthma.
- Pleural effusion, pneumothorax.
- Foreign body inhalation.

#### **3. HEMATOLOGY / ONCOLOGY:**

- Normal hematopoiesis.
- Normal hemostasis.
- Common anemias.
- Bleeding and coagulation disorders.
- Common pediatric malignancies.

#### **4. ENDOCRINOLOGY & METABOLISM:**

- Short stature.
- Inborn errors of Metabolism.
- Diabetes mellitus.
- Thyroid disease (congenital and acquired).

#### **5. NEUROMUSCULAR DISORDERS:**

- Normal milestones of development.
- Microcephaly & Hydrocephalus.
- Floppy infants.

- Mental retardation.
- Cerebral palsy.
- Seizure syndromes.
- Hereditary myopathies (muscle dystrophy).
- Anticonvulsant drugs.

#### **6. PEDIATRIC EMERGENCIES:**

- CPR.
- Shock.
- Seizures.
- Coma.
- Airway obstruction.
- RD/Apnea.
- Metabolic emergency.
- Drowning and near drowning.

#### **7. BEHAVIORAL PEDIATRICS:**

- Genetic and environmental influences on behavior.
- Age-appropriate behavioral concerns during the health care supervision visit.
- Counseling the parents and children on management of common behavioral such as discipline, toilet training (enuresis, encopresis) and eating disorders.

### **B- CLINICAL TRAINING COURSE**

- History taking.
- General Examination.

#### **II- Clinical Cases:**

##### **1. RESPIRATORY**

- Acute bronchiolitis.
- Pneumonias.
- Pleural effusion.

##### **2. CARDIOVASCULAR & RHEUMATOLOGY**

- Acute rheumatic fever.
- Rheumatoid arthritis.
- Rheumatic heart disease (mitral regurge, mitral stenosis).

- Congenital heart disease (VSD, Fallot tetralogy).

### **3. NEUROLOGY**

- Cerebral palsy.
- Convulsions.
- Hydrocephalus.
- Duchene-muscular dystrophy.

### **4. HEMATOLOGY**

- Anaemias.
- Purpura.
- Leukemia (All).

### **5. ENDOCRINOLOGY**

- Short stature.
- Hypothyroidism.
- Diabetes mellitus.

## **III- Physical signs (OSCE):**

### **1. CARDIOVASCULAR**

- Pulse.
- ABP.
- Neck veins.
- Apex beats.
- Pulmonary area pulsations.
- Epigastric pulsations.
- Percussion of the heart.

### **2. CHEST**

- Bronchial asthma.

### **3. CNS**

- Knee jerk.
- Planter reflex.
- Signs of meningeal irritation.

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## **Practical Training Course for Radiology**

- Interpretation of conventional x-rays

# INTERNAL MEDICINE V

**University: Menoufia**

**Faculty: Medicine**

## A-Administrative information

**Course Title:** Internal medicine V

**Code:** MMIP-INTM 608

**Department offering the course:** Dermatology, Neuropsychiatry and Clinical Pathology Departments.

**Program on which the course is given** : MMIP

**Academic year:** Sixth year

**Semester 6B**

**Taught hours:** Lectures/ Tutorial (3credit h) 45h  
(2 credit h) 60h Total: (5credit h) 105h

**Practical:**

### **Course Contents**

#### **Lectures and tutorials:**

- **Dermatology (10 hrs lectures + 4 hrs tutorial):**
  - 1- Anatomy & physiology of human skin and its appendages
  - 2- Nonspecific bacterial infections
  - 3- Specific mycobacterial infection: (TB – leprosy)
  - 4- Fungal, viral and parasitic infections
  - 5- Allergic skin disorders and papulosquamous disorders
  - 6- Disorders of skin appendages and disorders of pigmentation
  - 7- Autoimmune diseases of the skin
  - 8- Differential diagnosis of common skin diseases and therapeutics of skin diseases
  - 9- Anatomy and physiology of male genital system
  - 10- Male infertility
  - 11- Sexually transmitted diseases.
  - 12- Sexology: Erectile dysfunction, Premature ejaculation
  - 13- Prostatic disorders
  - 14- Normal puberty & pubertal disorders

## **II- Neuropsychiatry (18 hrs lectures + 3 hrs tutorials )**

- 1- Stroke
- 2- Peripheral neuropathy
- 3- Paraplegia
- 4- Epilepsy
- 5- Multiple sclerosis
- 6- Ataxia
- 7- Muscle and neuromuscular junction diseases
- 8- Movement disorders
- 9- Cranial nerve diseases
- 10- Hemiplegia
- 11- Anxiety disorders( generalized anxiety disorder, panic disorder)
- 11- Bipolar and related disorders( manic, hypomanic, cyclothymic)
- 12- Depressive disorders
- 13- Sleep disorders ,sleep stages,and polysomnography
- 14- Addiction( cannabinoids, opioids, tramadol and benzodiazepines)(tutorial)
- 15- Medically unexplained symptoms, non organic pain,chronic fatigue syndrome, psychosomatic diseases
- 16- Child and adolescent psychiatry(autistic spectrum- attention deficit hyperactivity disorders ,learning disabilities,motor skill and coordination disorders, eating and feeding disorders, tic disorders, elimination disorders,mood and anxiety disorders)
- 17- Women's mental disorders( premenstrual dysphoric disorder, psychological reaction to abortion, postpartum depression, postpartum psychosis, peri menauposal depression, peri menauposal insomnia)
- 18- Dementia, delirium, and amnesic disorders
- 19- Emergency psychiatry( neuroleptic malignant syndrome,suicide, self harm, violent patient, anorexia nervosa, post traumatic stress disorder)
- 20- Psychopharmacology( atypical antipsychotic , serotonin reuptake inhibitors)

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## **III- Clinical pathology ( 8 hrs lectures + 2 hrs tutorials)**

### **A- Clinical chemistry:**

- (1) Diabetes mellitus & its complications.
- (2) Plasma protein & its disorders.
- (3) Plasma Lipids, lipoproteins & their disorders.
- (4) Na, K & Acid base balance.
- (5) Enzymes in diagnosis of AMI.
- (6) Kidney function tests & related diseases.
- (7) Liver function tests & related diseases.
- (8) CA & phosphorus & related disorders.
- (9) Urine report & stool report.
- (10) Thyroid, adrenal & gonads function tests.

### **B-Hematology:**

- (11) Hematological normal values & ESR.
- (12) RBC & its disorders:
  - ◆ Normal hematopoiesis & RBCs production.
  - ◆ Anemias (Microcytic hypochromic, Normocytic normochromic & hemolytic, and Macrocytic)
  - ◆ Iron overload.
- (13) WBC & its disorders:
  - a- Leucopenia & Leukocytosis.
  - b- Acute Leukemia myeloid & lymphoid & chronic. Lympho-proliferative disorders including chronic Lymphatic leukemia.
  - c- Myelo-proliferative
- (14) Hemostasis.
 

Platelet Disorders, coagulation disorders & vascular disorders
- (15) Blood transfusion & complications.

### **C- Clinical Immunology:**

- (16) Serology, autoimmunity & hypersensitivity.
- (17) Immunodeficiency, Hepatitis & Tumor markers.

### **D- Clinical Microbiology:**

- (18) Sampling & microbiological examination.
- (19) Bacteraemia & Septicemia & meningitis (CSF examination).
- (20) PUO (Pyrexia of unknown origin) & Hospital infection.

**Clinical training Course: 2 credit hour (60 practical hours)**

**21 practical hours in Dermatology Department**



**24 practical hours in Neuropsychiatry department 15 practical hours in  
Clinical pathology department**

**Clinical topics:**

- History taking
- General Examination

**Dermatology case taking & Examination:**

- History taking and examination of dermatological cases
- Dermatology examination
- Basic dermatology cases
- History taking and examination of andrological cases
- Andrology examination
- Basic andrology cases

**Neuropsychiatry case taking & Examination:**

- Full history taking .
- Full general and medical examination
- Neurologic examination
- Mental examination examination , risk assessment and emergency management.
- Differential diagnosis of the case.
- Final diagnosis, anatomical, etiological, functional, pathological and complication.

**Clinical pathology practical skills:**

- Sample collection
- Sample transport
- Sample storage
- Basic laboratory tests

**Clinical course activities**

- Presentation:** of 5 cases
- Writing an essay:** About 10 pages on one common medical subject e.g

- **Attendance and making a short report about:**  
5 different cases from Outpatient Clinic

## **SURGERY V**

**University: Menoufia**

**Faculty: Medicine**

### **A-Administrative information**

**Course Title:** Surgery V.

**Code:** MMIP –SURG 609.

**Department offering the course:** General Surgery Department – Plastic surgery Department- Neurosurgery Department.

**Program(s) on which the course is given:** MMIP.

**Academic year:** Sixth year

**Semester:** 6B

**Credit hours:** 5.5 / **Taught hrs:** 128 **Lecture:** 2,5 credit hrs/ 38 Taught hrs.

**Practical:** 3 credit hrs/ 90 Taught hrs.

**Total:** 5.5 Credit hours/ 128 Taught hrs: 128.

### **Contents**

***\*Plastic surgery and burn (10 hrs theoretical (Lectures and tutorials),24 hrs clinical):***

- Introduction (grafts, flaps, repair of tissue defects and craniomaxillofacial surgery).
- Face, lips, and palate.
- Surgery of nerves.
- Disorders of muscles, tendons and fascia.
- Hand infection and hand injuries.
- Burn management.

***\*Vascular surgery (10 hrs theoretical (Lectures and tutorials), 24 hrs clinical):***

- Arterial system (injuries; acute ischemia; occlusive arterial disease includes aneurysms; arteriovenous malformation; vasculitis).
- Venous system (V.V and venous thrombo-embolism, CVI).
- Lymphatic system: lymphangitis, lymphatic obstruction and lymphoedema, lymphatic malformation.

***\*Neurosurgery (18 hrs theoretical (Lectures and tutorials), 42 hrs clinical):***

- Neurological workup
- Head injuries
- Brain space occupying lesions
- Cerebral vascular strokes
- Congenital anomalies
- Traumatic spine disease
- Non-traumatic spine disease
- Peripheral nerve injuries
- Functional neurosurgery

**CLINICAL ROUNDS:**

- History taking and clinical examination.
- Clinical diagnosis of swelling and tumors.
- Ulcers.
- Lesions of the head, scalp, skull, face, lips, tongue, palate, cheek,jaw, and floor of the mouth.
- Parotid swellings.
- Peripheral ischemia.
- Gangrene.
- Varicose veins.
- Peripheral nerve injuries.
- Oedema of limbs.
- Head trauma
- Spinal trauma
- Spinal diseases.

**---LIST (1): LIST OF SURGICAL ANATOMY TOPICS:**

- The scalp.
- Axillary and brachial arteries.

- Radial, median and ulnar nerves.
- Femoral and popliteal arteries.
- Long and short saphenous veins.
- Sciatic, medial and lateral popliteal nerves.
- Muscles: sternomastoid, deltoid, pectoralis major, latissimus dorsi, rectus abdominis, quadriceps, psoas major, scalene muscles, gluteus maximus, diaphragm.
- Skull
- Vertebrae

**--LIST (2): LIST OF OPERATIVE PROCEDURES:**

- Principles of coverage of skin defects.
- Management of compound depressed fracture of the skull.
- Indications and principles of surgical interference in head injuries.
- Principles of management of arterial injuries.
- Above knee amputation.

**--LIST (3): BEDSIDE SKILLS:**

- Neck support for neck trauma
- Spinal support for spinal trauma
- Practical management of burns
- Simple skin suturing.

# Pathology VII

University: Menoufia

Faculty: Medicine

## A-Administrative information

Course title : Pathology VII

Code No: MMIP- PATH 610

Department offering the course:

Pathology

Programme(s) on which the course is given: MMIP

Academic year: Sixth year

Semester: 6B

Credit hours: 1.5 credit hours

Lecture: 1 credit hour/ 15 taught hours    Practical: 0.5 credit hour/ 15 taught hours  
Total: 1,5 credit hour (30 taught hrs)

## Course contents:

	Topic	Hours for lectures	Hours for Practical	Total no. of hours per semester / year
	<b>Semester 6B [Special pathology]</b>	<b>15 h</b>	<b>15 h</b>	<b>30 hours</b>
<b>1st week</b>	Pericarditis	1H	1 H	2 H
<b>2nd week</b>	Tuberculosis	1H	1H	2 H
<b>3rd week</b>	Tuberculosis	1H	1 H	2 H
<b>4th week</b>	Lung cysts	1H	1H	2 H

<b>5th week</b>	Central nervous system, Inflammatory disorders	1H	1H	2 H
<b>6th week</b>	Central nervous system, Inflammatory disorders	1H	1H	2 H
<b>7th week</b>	CNS vascular disorders	1H	1H	2 H
<b>8th week</b>	CNS vascular disorders	1H	1H	2 H
<b>9th week</b>	Intracranial tumors	1H	1H	2 H
<b>10th week</b>	Intracranial tumors	1H	1H	2 H
<b>11th week</b>	Intracranial tumors	1H	1H	2 H
<b>2th week</b>	Peripheral nerve tumors	1H	1H	2 H
<b>13th week</b>	Muscle tumors	1H	1H	2 H
<b>14 week</b>	Non neoplastic skin lesions	1H	1H	2 H
<b>15 week</b>	Tumors of the skin	1H	1H	2 H

# Pharmacology VII

University: Menoufia

Faculty: Medicine

## A-Administrative Information

Course title : Pharmacology VII

Code No: MMIP-PHAR 611

Department offering the course:

Clinical Pharmacology

Department

Programme(s) on which the course is given:

MMIP

Academic year: Sixth year

Semester: 6B

Credit hours:

Lecture: 2.5 credit hours/ 37.5 taught hours

practical: 0.5 credit hour/15 taught hours Total: 3 credit hrs ( 52.5 hrs)

## Course Contents:

Semester	Code &Content	Lecture	Practical
6B	Drugs acting onCNS	15.5	2.5
	Dermatologic drugs	12	2.5
	Drug abuse	10	2.5
Total		37.5	7.5

### Detailed description of topics

#### 2-Drugs acting on the CNS:

Central neurotransmitters, sedative-hypnotics , antiepileptic drugs,

analgesic drugs , local and general anaesthetics , antipsychotics, antidepressants , antimanic drugs and central nervous stimulants.

#### **5- Dermatologic pharmacology:**

Percutaneous absorption of drugs , keratolytics ,counterirritants , antipruritics , drugs affecting skin pigmentation , drug therapy of acne vulgaris , drug therapy of psoriasis , retinoids.

#### **6- Drug abuse:**

Drug dependence , types of drug dependence , general lines of treatment of drug dependence.

## **FAMILY MEDICINE VI**

**University: Menoufia**

**Faculty: Medicine**

### **A-Administrative information**

**Course title:** Family medicine VI

**Code:** MMIP- FAML 612

**Program on which the course is given:** MMIP

**Department offering the course:** Family

medicine**Academic year:** 6<sup>th</sup> year

**Semester:** 6B

**Credit hours:** 1 credit hour/23

**Lectures:** 0.5 credit hours (**8 theoretical hours**)

**Practical:** 0.5 credit hours ( 12 hours practical - 3 hours field training)



## **Course Contents:**

No	Topic	No of hours			total
		Theoretical 30 hour	Practical		
			Clinical rounds	Field visits	
1	Common respiratory diseases in family practice	2	4	2	8
2	Mental health in family practice	2	-----	---	2
3	Integrated management of childhood illness	2	4	1	7
4	Integrated seminar (chest pain)	2	4		6
	Total	8	12	3	23