

| رئيس القسم             |               |                |           |
|------------------------|---------------|----------------|-----------|
| الاسم                  | المؤهل العلمي | الدرجة العلمية | صفة القيد |
| د. صلاح الدين خير الله | دكتوراه       | محاضر          | قار       |

| اعضاء هيئة التدريس بالقسم |               |                |           |
|---------------------------|---------------|----------------|-----------|
| الاسم                     | المؤهل العلمي | الدرجة العلمية | صفة القيد |
| د. منصور خميس             | ماجستير       | محاضر مساعد    | غير قار   |
| د. نسرين موسى الصابر      | ماجستير       | محاضر مساعد    | قار       |
| د. أسماء عبد العاطي يوسف  | ماجستير       | محاضر مساعد    | قار       |

| المعيدين بالقسم           |                   |                |           |
|---------------------------|-------------------|----------------|-----------|
| الاسم                     | المؤهل العلمي     | الدرجة العلمية | صفة القيد |
| د. مبروكة محمد مطول ابسيس | بك طب وجراحة عامة | معيدة          | غير قار   |
| د. رجاء مسعود صالح محمد   | بك طب وجراحة عامة | معيدة          | قار       |

### نبذة عن القسم :

تأسس القسم عام 2003- 2002 تحت مسمى قسم علم الامراض وهو احد الاقسام الاكاديمية حيث تم تدريس المادة في السنة الثالثة الى عام 2018 حيث تم اعتماد النظام التكاملي وهو تقسيم مادة الامراض على نظام الموديول (اجهزة الجسم) والذي يتم اعطائه من الفصل الاول الى الفصل الخامس.

### - أهداف المقرر

في نهاية المقرر، يجب أن يكون الطلاب قادرين على:

1. التعرف على أساسيات علم الأمراض العام
2. فهم المسببات المرضية والمظاهر المرضية للأمراض الشائعة
3. ربط التشريح المرضي بالأساس السريري للأمراض المحددة أمراض الأعضاء
4. التعرف على أنماط الأمراض الأساسية وآلياتها الأساسية

## 1.Principle of Pathology

| Ser | Subjects                                                          | Total | lectures | Practical |
|-----|-------------------------------------------------------------------|-------|----------|-----------|
| 1   | Cell Injury and Cell death                                        | 14    | 8        | 6         |
| 2   | Inflammation and tissue repair to<br><i>include</i> wound healing | 14    | 8        | 6         |
| 3   | Immunopathology                                                   | 14    | 8        | 6         |
| 4   | Infectious diseases                                               | 19    | 10       | 9         |
| 5   | Hemodynamic/Circulatory<br>disturbances<br>Growth disturbance     | 19    | 10       | 9         |

## 2. Musculoskeletal and Skin

| total | practical's | lectures | الموضوع العلمي                                                                                                        |
|-------|-------------|----------|-----------------------------------------------------------------------------------------------------------------------|
| 3     | 1           | 2        | Osteomyelitis , acute ,<br>chronic , tuberculosis                                                                     |
| 3     | 1           | 2        | Metabolic disease ; Rickets<br>, osteomalacia , osteoporosis ,<br>hyperparathyroidism                                 |
| 3     | 1           | 2        | Tumors , primary , osteosarcoma<br>, osteoclastoma , Ewing's<br>sarcoma , chondrosarcoma<br>, metastatic malignancies |
| 3     | 1           | 2        | Arthritis , Rheumatoid ,<br>osteoid , tuberculosis                                                                    |
| 3     | 1           | 2        | Healing of fractures                                                                                                  |

## 3. Cardiovascular system

| Total | Practice | Lectures | الموضوع العلمي                                                         |
|-------|----------|----------|------------------------------------------------------------------------|
| 4     | 1        | 3        | Acute rheumatic fever and rheumatic heart<br>disease                   |
| 4     | 1        | 3        | Hypertension and hypertensive heart disease<br>Atherosclerosis and IHD |
| 4     | 1        | 3        | cardiomyopathy                                                         |
| 4     | 1        | 3        | tumor of the heart                                                     |
| 4     | 1        | 3        | Pericarditis<br>Infective endocarditis<br>Myocarditis                  |
| 4     | 1        | 3        | Congenital heart disease                                               |
| 4     | 1        | 3        | Vacuities<br>Varicose vein and lymphatic pathology                     |

## 4. Respiratory system

| Topic                                                                                                                                                                                                                            | Lecture | Practical | Total |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-------|
| Upper respiratory tract pathology<br>Acute and chronic rhinitis<br>Allergic rhinitis<br>Paranasal sinusitis<br>Nasal polyp<br>Acute laryngeotracheobronchitis ( CROUP)<br>Congenital upper and lower respiratory tract anomalies | 4       | 1         | 5     |
| Structure of bronchial tree and alveolar walls, normal and altered inflammatory diseases of bronchi: chronic bronchitis, bronchiectasis<br>Pneumonias: lobar, bronchopneumonia, interstitial                                     | 2       | 1         | 3     |
| Lung abscess: etiopathogenesis and morphology and complications Emphysema: type and pathogenesis                                                                                                                                 | 2       | 1         | 3     |
| Pulmonary tuberculosis: primary and secondary, morphologic types including pleuritis                                                                                                                                             | 2       | 1         | 3     |
| Concepts of obstructive and restrictive lung disorders-Chronic bronchitis, emphysema, Asthma                                                                                                                                     | 2       |           | 2     |
| Nasopharyngeal and laryngeal tumors Tumors: Epithelial Malignant Neoplasms of Lung, Etiopathogenesis. Occupational lung disorders: anthracosis, silicosis, asbestosis, mesothelioma                                              | 2       |           | 2     |

## 5. Immune, blood & lymphatic systems

| total | practical's | lectures | الموضوع العلمي                                                           |
|-------|-------------|----------|--------------------------------------------------------------------------|
| 5     | 1           | 4        | Anemia / Classification/Diagnosis Hemolytic Anemia I/II                  |
| 5     | 1           | 4        | Acute Leukemia I/II<br>Non-Hodgkin Lymphoma and Hodgkin                  |
| 5     | 1           | 4        | Blood Coagulation Inherited Disorders of Platelet Function, ITP and ,TTP |
| 5     | 1           | 4        | Blood Grouping and Transfusion                                           |

## 6. Endocrine System and Metabolism

| Total | practical's | lectures | الموضوع العلمي                                                                                               |
|-------|-------------|----------|--------------------------------------------------------------------------------------------------------------|
| 3     | 1           | 2        | Diabetes mellitus: types, pathogenesis and pathology                                                         |
| 3     | 1           | 2        | Non neoplastic lesion of thyroid: iodine deficiency goiter, autoimmune thyroiditis, thyrotoxicosis, myxedema |
| 3     | 1           | 2        | Tumors of thyroid: adenoma, carcinoma: papillary, follicular, medullary, anaplastic                          |
| 3     | 1           | 2        | Adrenal disease: cortical hyperplasia, atrophy, tuberculosis, tumors of cortex and medulla                   |
| 3     | 1           | 1        | Parathyroid hyperplasia and tumors                                                                           |
| 3     | 1           | 2        | Hypo and hyper function of thalamus and pituitary gland pineal gland pathology and rhythmicity               |
| 3     | 1           | 2        | Multiple endocrine neoplastic (MEN)<br>Para neoplastic Endocrinopathies syndrome                             |

## 7. Renal and urinary system

| Total | Practical | Lecture | الموضوع العلمي                                                                                                                                                                                                                                                                                                                                       |
|-------|-----------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3     | 1         | 2       | -Basic of impaired function and urinalysis<br>-Glomerulonephritis: classification, primary Proliferative and on Proliferative, secondary (SLE, polyarthritis, amyloidosis, diabetes)<br>-Clinical presentation of renal disorders including nephritic, nephritic syndrome, acute kidney injury AKI , recurrent hematuria, Chronic kidney disease CKD |
| 3     | 1         | 2       | -Acute renal failure: acute tubular and cortical necrosis<br>-Pyelonephritis, reflux nephropathy, tub interstitial nephritis<br>Renal cell tumors: renal cell<br>-carcinoma, nephroblastoma                                                                                                                                                          |
| 3     | 1         | 2       | -Urinary bladder: cystitis, carcinoma<br>-advanced chronic kidney disease and end stage renal disease<br>-Renal vascular disorders                                                                                                                                                                                                                   |

|   |   |   |                                                                                                                                                                                                                        |
|---|---|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | 1 | 2 | -Urinary tract tuberculosis<br>-Nephrolithiasis and obstructive nephropathy<br>-Renal malformation polycystic kidney<br>Cystic renal disease simple cortical cyst<br>Autosomal dominant PKD<br>Autosomal recessive PKD |
|---|---|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 8.Reproductive system

| Topics                                                                                                                                                                                                                                    | Lecture | Practical | Total |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-------|
| Diseases of cervix: cervicitis, cervical carcinoma, etiology, cytological diagnosis                                                                                                                                                       | 4       | 1         | 5     |
| Hormonal influences and histological appearances of different phases of menstrual cycles and the abnormality associated with it                                                                                                           | 4       | 1         | 5     |
| Diseases of uterus; endometrial hyperplasia and carcinoma, adenomyosis, smooth muscle tumors                                                                                                                                              | 4       | 1         | 5     |
| Trophoblastic diseases: hydatiform mole and choriocarcinoma<br>Prostate: nodular hyperplasia, carcinoma<br>Ovarian and testicular tumors<br>Carcinoma of penis<br>Pelvic inflammatory disease including salinites<br>Genital tuberculosis | 4       | 1         | 5     |

## 9. Central Nervous System and Special Senses

| Topic                                                                                                                                               | Lecture | Practical | Total |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|-------|
| <b>Inflammatory disorders:</b> pyogenic and Tuberculosis meningitis, brain abscess, tubercular                                                      | 3       | 2         | 5     |
| <b>Cerebrovascular disease:</b> atherosclerosis, thrombosis, embolism, aneurysm hypoxia, infarction and hemorrhage                                  | 3       | 2         | 5     |
| Degenerative diseases                                                                                                                               | 2       | 1         | 3     |
| <b>CNS tumors</b> -primary glioma and meningioma and metastatic                                                                                     | 2       | 2         | 4     |
| Demyelinating diseases (Parkinson ,Alzheimer ,picks ,motor neuron disease ,MND ,ALS amyotrophic lateral sclerosis Huntington's , friedriechs ataxia | 2       | 2         | 4     |
| CSF and its disturbances: cerebral edema, raised intracranial pressure                                                                              | 2       | 2         | 4     |
| Congenital CNS anomalies<br>CSF pathway and hydrocephalus                                                                                           |         |           |       |

## المراجع والدوريات:

Robbin's (Basics of Pathology).

Muir's (Textbook in Pathology).

Journal of Pathology, American journal of Pathology,  
Pathmax.com & webpathology.com