# LOG BOOk

# Personal data

- **Name:** ----------
- **Department :** .....
- **Mobile Number:**.....
- **E-mail Address:** ..... .....

▪ **Date of registration:** ...../...../.....

Signature

**Head of the department**

**Vice Dean for research and postgraduate study**

# Lectures attendance

# First Part

# Techniques & radiological anatomy

| | Chapters | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| I. Positioning | **a. Techniques:** | | | | |
| | | 1. UL | | | |
| | | 2. LL | | | |
| | | 3. Chest and heart | | | |
| | | 4. Axial skeleton | | | |
| | | 5. Skull (1) | | | |
| | | 6. Skull (2) | | | |
| | **b. Radiological anatomy:** | | | | |
| | | **1.** UL | | | |
| | | **2.** LL | | | |
| | | **3.** Chest and heart | | | |
| | | **4.** Axial skeleton | | | |
| | | **5.** Skull | | | |
| II. Gastrointestinal tract(GIT) (Alimentary tract) | **a. Techniques:** | | | | |
| | | **1- Esophagus & Stomach:**<br>a. Ba. Swallow & Ba. Meal.<br>b. Plain X-ray<br>c. CT | | | |
| | | **2- Small intestine**<br>a. Ba. Study<br>b. Plain X-ray<br>c. CT & CT angiography<br>d. New MRI | | | |
| | | **3- colon:**<br>a. Ba. enema<br>b. Plain X-ray<br>c. CT & CT angiography<br>d. US<br>e. MRI | | | |
| | **b. Radiological anatomy:** | | | | |
| | 1. Esophagus & stomach | | | | |
| | 2. Small & large intestine | | | | |

| | Chapters | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| III. (GIT) ( Liver , biliary system spleen & | **a. Techniques:** | | | | |
| | | **a. Liver , spleen , pancreas**<br>1- CT & CT angiography | | | |
| | | 2- US , MRI , MR angiography | | | |
| | | **b. Biliary system:**<br>1- US, CT , MRI, MRA & MRCP | | | |
| | **b. Radiological anatomy:** | | | | |
| | | 1. Liver.<br>2. Pancreas.<br>3. Spleen.<br>4. Biliary system. | | | |
| IV. Chest | **a. Techniques:** | | | | |
| | | 1- Positioning :<br>a. Routine views<br>b. Special views | | | |
| | | 2- CT chest & other methods of examinations:<br>a. US.<br>b. MRI<br>c. Angiography. | | | |
| | **b. Radiological anatomy:** | | | | |
| | | 1- X-ray & CT anatomy of the lung. | | | |
| | | 2- X-ray & CT anatomy of the mediastinum | | | |
| V. Heart | **a. Techniques:** | | | | |
| | | a. X-ray & CT | | | |
| | | b. MRI | | | |
| | **b. Radiological anatomy:** | | | | |
| | | 1- X-ray | | | |
| | | 2- CT & MRI | | | |
| VI.Renal | **a. Techniques:** | | | | |
| | | **1- <u>Kidney:</u>**<br>a. KUB & IVP | | | |

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|---|---|---|---|---|---|
| | | b. US, CT, CT urography, MRI & MR urography | | | |
| | **Chapters** | | | | |
| V. | | **2- Bladder (Cystography)& urether**<br>a. Descending<br>b. Ascending<br>c. Micturating<br>d. CT & MRI.<br>**3- Urethra:**<br>a. Ante grade<br>b. Retrograde. | | | |
| | **b.Radiological anatomy:** | | | | |
| | | a. Kidney & ureter | | | |
| | | b. Bladder &Urethra & Prostate. | | | |
| VII.Breast | **a. Techniques:** | | | | |
| | | 1- Mammogram &US. | | | |
| | | 2- MRI | | | |
| | **b. Radiological anatomy:** | | | | |
| | | 1- Breast | | | |
| VIII.Genital system | **a. Techniques:** | | | | |
| | | **a. Female genital system.**<br>1- Plain X-ray<br>2- CT<br>3- US<br>4- MRI | | | |
| | | b. **Male genital system** | | | |
| | **b.Radiological anatomy:** | | | | |
| | | **a. Female Genital system** | | | |
| | | **b. Male Genital system** | | | |
| IX.Vascular | **a. Techniques:** | | | | |
| | | 1- Doppler arterial | | | |
| | | 2- Doppler venous | | | |
| | | 3- CTA, DSA & MRA | | | |

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| | **b. Radiological anatomy** |
| | 1- Arterial |
| | 2- Venous |

| | Chapters | Subjects | Date & hours | lecturer | Attendance |
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| X.Brain | **a. Techniques:** | | | | |
| | | 1- CT & MRI. | | | |
| | | 2- Trans-fontanellar US, CT & MRI angiography | | | |
| | **b. Radiological anatomy:** | | | | |
| | | 1- CT & MRI anatomy. | | | |
| | | 2- Arterial supply & venous drainage of the brain. | | | |
| | | 3- Revision. | | | |
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| XI.Spine | **a. Techniques:** | | | | |
| | | 1- X-ray & CT | | | |
| | | 2- MRI | | | |
| | **b. Radiological anatomy:** | | | | |
| | | 1- X-ray , CT &MRI | | | |
| XII.Head & neck | **a. Techniques:** | | | | |
| | | 1- Plain x-ray,<br>2- CT<br>3- MRI | | | |
| | **b. Radiological anatomy:** | | | | |
| | | 1- Supra & infra hyoid Neck spaces | | | |
| | | 2- Supra & infra hyoid Neck spaces | | | |

# Physics

| Chapters Subjects | | Date & hours | lecturer | Attendance |
|---|---|---|---|---|
| I. | **Introduction:** | | | |
| II. | **X-ray:** | | | |
| III. | **US:** | | | |
| IV. | **Radio-biological & protection:** | | | |
| V. | **MRI:** | | | |
| VI. | **CT:** | | | |

# Isotopes

| | Subjects | Date & Hours | Lecturer | Attendance |
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## Pathology related to Radiology:

| Subjects | Lectures | Clinical | Total Teaching Hours |
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| ***GENERAL PATHOLOGY:*** | | | |
| **1-Inflammation & repair** | 1 hour | | |
| **2-Effect of radiation** | 0.5 hour | | |
| **3-Tumours** | 1 hour | | |
| **SYSTEMIC PATHOLOGY:** | | | |
| **1. Diseases of respiratory system** | 1 hour | | |
| ***2.*** **Diseases of urinary system** | 1 hour | | |
| **3. Diseases of GIT & liver** | 1 hour | | |
| **4. Diseases of musculoskeletal system** | 1 hour | | |
| **5. Diseases of nervous system** | 1 hour | | |

# Second part

## Semester

## ( 1 )

- Neuroradiology
- Radiology of head and neck
- Vascular Imaging
- Pediatrics radiology 1

| | Chapters | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| I. Brain: | **1- Congenital Malformations & Neurocutaneous Syndromes:** | | | | |
| | | 3- Congenital malformations | | | |
| | | 4- Congenital malformations 1 | | | |
| | | 5- Neurocutaneous syndromes 1 | | | |
| | | 6- Neurocutaneous syndromes2 | | | |
| | **2- Brain tumor:** | | | | |
| | | 7- Brain tumors | | | |
| | | 8- Brain tumors | | | |
| | | 9- Brain tumors | | | |
| | | 10- Brain tumors | | | |
| | | 11- Film interpretation | | | |
| | **4- White matter disease:** | | | | |
| | | 12- Degenerative disease(inherited) | | | |
| | | 13- Degenerative disease acquired | | | |
| | | 14- Metabolic/toxic | | | |
| | | 15- Film interpretation | | | |
| | **5- Infection:** | | | | |
| | | 16- Congenital | | | |
| | | 17- Acquires( bacterial) | | | |
| | | 18- Acquires( viral-fungal) | | | |
| | **3- Vascular:** | | | | |
| | | 19- Infarction | | | |
| | | 20- Hemorrhage | | | |
| | | 21- Vascular anomalies | | | |
| | | 22- Vascular anomalies | | | |
| | **6- skull base:** | | | | |
| | | 23- Skull base: | | | |
| | | 24- Skull base | | | |

| | Chapters | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| II. Spine: | **1- Congenital and developmental disorders:** | | | | |
| | | 25- Congenital and developmental disorders I | | | |
| | | 26- Congenital and developmental disorders II | | | |
| | **2- Infection and degenerative disease.** | | | | |
| | | 27- Infection and degenerative disease. | | | |
| | **3- Spinal tumors:** | | | | |
| | | 28- Spinal tumors | | | |
| | **4- Trauma to the spine** | | | | |
| | | 29- Trauma to the spine | | | |
| | **5- Film interpretation** | | | | |
| | | 30- Film interpretation | | | |
| III. Head & neck: | **c. Orbit :** | | | | |
| | | 31- | | | |
| | | 32- | | | |
| | | 33- Film interpretation | | | |
| | **d. Nose & PNS:** | | | | |
| | | 34- | | | |
| | | 35- | | | |
| | | 36- Film interpretation | | | |
| | **e. Temporal bone :** | | | | |
| | | 37- Inflammatory | | | |
| | | 38- Neoplastic | | | |
| | **f. Introduction to neck spaces** | | | | |
| | | 39- Introduction to neck spaces | | | |
| | **g. Pharynx** | | | | |
| | | 40- Pharynx | | | |
| | **h. LARYNX** | | | | |
| | | 41- Larynx | | | |
| | **i. ORAL CAVITY &MASTICATOR Space& submandibular space:** | | | | |
| | | 42- Oral cavity &masticator space& | | | |

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|---|---|---|---|---|---|
| | | submandibular space: | | | |

| | Chapters | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| | **j. Parotid space & para-pharyngeal space** | | | | |
| | | 43- Parotid space & para-pharyngeal space | | | |
| | **k. Carotid space** | | | | |
| | | 44- Carotid space | | | |
| | **l. Thyroid** | | | | |
| | | 45- Thyroid | | | |
| | **m. Mandible** | | | | |
| | | 46- Mandible | | | |
| | **n. LNs** | | | | |
| | | 47- LNs | | | |
| | **o. D.D** | | | | |
| | | 48- | | | |
| | **p. Film interpretation** | | | | |
| | | 49- Film interpretation | | | |
| **IV. Vascular** | **1- Arterial:** | | | | |
| | | 50- System | | | |
| | | 51- Local | | | |
| | | 52- Ischemia | | | |
| | **2- Venous** | | | | |
| | | 53- DVT | | | |
| | | 54- Varicose vein | | | |
| | **3- D.D** | | | | |
| | | 55- | | | |
| **V. Pediatric** | **1- DD. Of pediatric brain tumors:** | | | | |
| | | 56- D.D Of pediatric brain tumours: | | | |

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| | **2- D.D of pediatric neck masses:** | | | | |
| | | 57-D.D of paediatric neck masses | | | |

- **Time of attended lectures: hours**
- **Percentage: %**

***Signature of responsible chief Signature of department chief***

# Semester

# ( 2 )

- Gastroentrology.
- Urinary system.
- Genital system.
- Breast.
- Paediatrics radiology 2.

| | | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| Pediatric2 (Gastroenterology) | Alimentary tract | • Oesophageal Atresia and gastroesophageal reflux<br>• Gastric Volvulus<br>• Hypertrophic Pyloric Stenosis<br>• Duodenal Atresia or Stenosis<br>• jejunoileal Atresia<br>• Mal-rotation | | | |
| | | • Midgut Volvulus<br>• Ileocolic Intussusception (Idiopathic)<br>• Meconium Ileus&Meconium Plug Syndrome<br>• Meckel Diverticulum<br>• Hirschsprung Disease<br>• Anorectal Malformation. | | | |
| | liver | • Diffuse liver disease<br>• Focal liver disease | | | |
| | Biliary | • Biliary Atresia<br>• Choledochal Cyst<br>• Caroli Disease | | | |
| Adult (Gastroenterology) | Alimentary tract | • Oesophagus. | | | |
| | | • Stomach<br>• Duodenum | | | |
| | | • Small intestine<br>• Appendix | | | |
| | | • Colon+ rectum | | | |
| | liver | • Diffuse liver disease | | | |
| | | • Focal liver disease(benign) | | | |
| | | • Focal liver disease(malignant) | | | |

| | | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| | biliary | • | | | |
| | pancreas | • | | | |
| Elective course | liver | • Liver transplant | | | |
| Adult (Breast) | breast | • Benign Vs. malignant | | | |
| | | • Lactating<br>• Male breast<br>• LN | | | |
| | | • Cancer<br>• Breast implant | | | |
| Pediatric2 (Urinary system & genital ) | Urinary | • Congenital abnormalities<br>• Multicystic renal diseases | | | |
| | | • Renal masses<br>• Adrenal masses | | | |
| | Genital | • | | | |

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|---|---|---|---|---|---|
| | **Others** | • Rhabdomyosarcoma, Genitourinary<br>• Sacrococcygeal Teratoma | | | |

| | | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| **Adult (Urinary system)** | **Kidney** | • Infection & inflammation | | | |
| | | • Trauma | | | |
| | | • Vascular | | | |
| | | • Neoplasm ( BG) | | | |
| | | • Neoplasm ( MG) | | | |
| | **Ureter, bladder& urethra** | • Infection ,inflammation<br>• Trauma<br>• neoplasm | | | |
| **Elective course** | **Renal** | • Renal transplant | | | |
| **Adult Suprarenal gland** | **Suprarenal gland** | | | | |
| **Adult Peritoneum & Retroperitoneal** | | • Peritoneum<br>• Retroperitoneal | | | |

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|---|---|---|---|---|---|
| **Adult (Genital)** | **female** | • uterus | | | |
| | | • ovary | | | |
| | **male** | • | | | |

▪ **Time of**

# Semester ( 3 )

**attended lectures: hours**

▪ **Percentage: %**

***Signature of chief department***

- Musculoskeletal system
- Chest.
- Cardio.
- Pediatrics radiology 3

***responsible Signature of chief***

| Branch | Chapter | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| Pediatric3 (Musculoskeletal system) | Deformity | **Lower limb deformities**<br>**Upper limb deformities**<br>**Spine deformities** | | | |
| | Dysplasia | **Osteogenesis imperfecta**<br>**Ostepetrosis**<br>**Achondroplasia**<br>**Fibrous dysplasia**<br>**Diaphyseal aclasis**<br>**Mucopolysaccharidosis** | | | |
| Adult (Musculoskeletal system) | AVN & Paget disease | **AVN**<br>**Paget disease** | | | |
| | Metabolic & endocrine | | | | |
| | | | | | |
| | Infection | | | | |
| | | | | | |
| | Arthritis | | | | |
| | Oncology | Introduction | | | |
| | | Bony tumors<br>Fibrous tumors | | | |
| | | Cartilaginous tumors<br>Blood disease | | | |
| | | Synovial<br>Soft tissue lesions | | | |
| | Bone marrow | | | | |

| Branch | Chapter | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| | Trauma | | | | |
| | Shoulder | | | | |
| | | | | | |
| | knee | | | | |
| | | | | | |
| | Hip | | | | |
| | Elbow & TMJ | | | | |
| | Wrist | | | | |
| | Ankle | | | | |
| Pediatric3 (chest) | Respiratory distress syndrome | | | | |
| | Mediastinal masses | | | | |
| Adult (chest) | Infection & Inflammation | Bacterial Pneumonia<br>Staphylococcus Pneumonia<br>Mycobacterial Pneumonia<br>Lung Abscess | | | |
| | | Histoplasmosis<br>Aspergillosis<br>Blastomycosis<br>Coccidioidomycosis<br>Parasitic Pneumonia<br>Eosinophilic Pneumonia<br>Acute Interstitial Pneumonia<br>Viral Pneumonia | | | |

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|---|---|---|---|---|---|
| | | Pneumocystis Pneumonia | | | |

| Branch | Chapter | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| | Air way diseases | Chronic Bronchitis<br>Bronchiectasis<br>Emphysema<br>Lung collapse<br>Allergic Bronchopulmonary Aspergillosis<br>Tracheobronchomalacia<br>Relapsing Polychondritis<br>Middle Lobe Syndrome<br>Saber-Sheath Trachea<br>Bronchiolitis Obliterans | | | |
| | Pleura & diaphragm | Pleura:<br>Congenital<br>Inflammatory<br>Infectious<br>Toxic<br>Neoplastic<br>Vascular<br>Diaphragm:<br>Congenital<br>inflammatory | | | |
| | Trauma | Pneumomediastinum<br>Pneumothorax<br>Tracheobronchial Tear<br>Lung Trauma<br>Rib Fracture and Flail Chest<br>Aortic Transection<br>Spinal Fracture<br>Sternal Fracture<br>Diaphragmatic Tear<br>Esophageal Tear<br>Splenosis<br>Air Embolus, Pulmonary<br>Thoracic Duct | | | |

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| | **Mediastinum** | Anatomy<br>Anterior mediastinum | | | |
| | | Middle mediastinum<br>Posterior mediastinum | | | |

| Branch | Chapter | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| | **Vascular** | Cardiogenic Pulmonary Edema<br>Non-cardiac Pulmonary Edema<br>Pulmonary Embolism<br>Diffuse Alveolar Hemorrhage<br>Pulmonary Artery Hypertension<br>Pulmonary Artery Aneurysm | | | |
| | **Occupational & Interstitial lung diseases** | | | | |
| | **Chest affection in systemic diseases** | Sarcoidosis<br>Idiopathic Pulmonary Fibrosis<br>Hypersensitivity Pneumonitis<br>Rheumatoid Arthritis<br>Scleroderma, Pulmonary 1<br>Polymyositis - Dermatomyositis, Pulmonary<br>Nonspecific Interstitial Pneumonitis | | | |
| | **Neoplastic** | Bronchioloalveolar Cell Carcinoma<br>Lymphangitic Carcinomatosis<br>Lymphocytic Interstitial Pneumonia Lymphangiomyomatosis<br>Tracheopathia Osteochondroplastica<br>Carcinoid, Pulmonary<br>Kaposi Sarcoma, Pulmonary | | | |

| Branch | Chapter | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| | D.D | Acute lung consolidation<br>Chronic lung consolidation<br>Upper lung zone predominant disease<br>Basilar peripheral lung zone predominant disease<br>Focal increase lung density<br>Focal decrease lung density<br>Multiple pulmonary nodules. | | | |
| | | Cystic Lung Disease<br>HRCT: Bronchocentric Pattern<br>HRCT: Lymphatic Pattern<br>HRCT: Ground-Glass Opacities<br>HRCT: Mosaic Pattern of Lung Attenuation<br>HRCT: Tree-In-Bud Pattern | | | |
| Pediatric3 (Cardio) | Embryology | Heart<br>Greats vessels | | | |
| | Cyanotic heart diseases | Tetralogy of Fallot<br>Pulmonary Atresia<br>Ebstein Anomaly<br>D-Transposition of the Great Arteries<br>Tricuspid Atresia<br>Truncus Arteriosus<br>Total Anomalous Pulmonary Venous | | | |
| | ACyanotic heart diseases | Ventricular Septal Defect (VSD)<br>Atrial Septal Defect (ASD)<br>Atrioventricular Septal Defect (AVSD)<br>Patent Ductus Arteriosus (PDA) | | | |
| | Others | Aorta.<br>Pulmonary vessels. | | | |

| Branch | Chapter | Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|---|---|
| Adult (Cardio) | Valvular heart disease | | | | |
| | Pericardium & cardiomegaly | | | | |
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| | Myocardial diseases | | | | |
| | Coronaries | | | | |

- **Time of attended lectures:** **hours**
- **Percentage:** **%**

***Signature of responsible chief*** ***Signature of department chief***

# Elective Courses

| Subjects | Date & hours | lecturer | Attendance |
|---|---|---|---|
| 1- Renal and liver transplant | | | |
| 2- Interventional | | | |

- **Time of attended lectures:** **hours**
- **Percentage:** **%**

***Signature of responsible chief*** ***Signature of department chief***

# Practical Part (Schedule duties)

# Practical Part

| | Site of attendance | Date from () to () | Types of cases | Modality | No.Of cases | Notes/ signature |
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# Department meetings

## Department meetings

**(Candidate should attend more than 50 meetings)**

***(Candidate should attend more than 75% of the summation of meetings & discussion attendance)***

| NO | Name | Lecturer | Date | Time | Notes/ signature |
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# Conferences attendance

# Conferences attendance

| NO | Name | Lecturer | Date | Time | Notes/ signature |
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# Thesis discussion attendance

# Thesis discussion attendance

**(Candidate should attend more than 15 discussions)**

***(Candidate should attend more than 75% of the summation of meetings & discussion attendance)***

| NO | Title | Investigators | Date | Time | Notes/ signature |
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| NO | Title | Investigators | Date | Time | Notes/ signature |
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