



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



| | | Chapters | Subjects | Date & hours | lecturer | Attendance |
|---|--------------------------------------|---|---|-------------------------|-----------------|-------------------|
| II. | Spine: | 1- Congenital and developmental disorders: | | | | |
| | | | 23- Congenital and developmental disorders I | | | |
| | | | 24- Congenital and developmental disorders II | | | |
| | | 2- Infection and degenerative disease. | | | | |
| | | | 25- Infection and degenerative disease. | | | |
| | | 3- Spinal tumors: | | | | |
| | | | 26- Spinal tumors | | | |
| | | 4- Trauma to the spine | | | | |
| | | | 27- Trauma to the spine | | | |
| | | 5- Film interpretation | | | | |
| | 28- Film interpretation | | | | | |
| III. | Head & neck: | a. Orbit : | | | | |
| | | | 29- | | | |
| | | | 30- | | | |
| | | | 31- Film interpretation | | | |
| | | b. Nose & PNS: | | | | |
| | | | 32- | | | |
| | | | 33- | | | |
| | | | 34- Film interpretation | | | |
| | | c. Temporal bone : | | | | |
| | | | 35- Inflammatory | | | |
| | | | 36- Neoplastic | | | |
| | | d. Introduction to neck spaces | | | | |
| | | | 37- Introduction to neck spaces | | | |
| | | e. Pharynx | | | | |
| | | | 38- Pharynx | | | |
| | | f. LARYNX | | | | |
| | | | 39- Larynx | | | |
| g. ORAL CAVITY & MASTICATOR Space & submandibular space: | | | | | | |
| | 40- Oral cavity & masticator space & | | | | | |



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| | | submandibular space: | | | |
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| | | <u>Chapters</u> | <u>Subjects</u> | <u>Date & hours</u> | <u>lecturer</u> | <u>Attendance</u> |
|---------------------|---------------|---|--|-------------------------|-----------------|-------------------|
| | | h. Parotid space & para-pharyngeal space | | | | |
| | | | 41-Parotid space & para-pharyngeal space | | | |
| | | i. Carotid space | | | | |
| | | | 42-Carotid space | | | |
| | | j. Thyroid | | | | |
| | | | 43-Thyroid | | | |
| | | k. Mandible | | | | |
| | | | 44-Mandible | | | |
| | | l. LNs | | | | |
| | | | 45-LNs | | | |
| | | m. D.D | | | | |
| | | | 46- | | | |
| | | n. Film interpretation | | | | |
| | | | 47-Film interpretation | | | |
| IV. Vascular | | 1- Arterial: | | | | |
| | | | 48-System | | | |
| | | | 49-Local | | | |
| | | | 50-Ischemia | | | |
| | | 2- Venous | | | | |
| | | | 51-DVT | | | |
| | | | 52-Varicose vein | | | |
| | 3- D.D | | | | | |
| | | | 53- | | | |
| V. Pediatric | | 1- DD. Of pediatric brain tumors: | | | | |
| | | | 54-D.D Of pediatric brain tumours: | | | |



2- D.D of pediatric neck masses:

55-D.D of paediatric
neck masses

- Time of attended lectures: hours
- Percentage: %

Signature of responsible chief Signature of department chief



Semester

(2)

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



| | | <u>Subjects</u> | <u>Date & hours</u> | <u>lecturer</u> | <u>Attendance</u> |
|--|-------------------------|--|-------------------------|-----------------|-------------------|
| Pediatric2 (Gastroenterology) | Alimentary tract | <ul style="list-style-type: none"> • Oesophageal Atresia and gastroesophageal reflux • Gastric Volvulus • Hypertrophic Pyloric Stenosis • Duodenal Atresia or Stenosis • jejunoileal Atresia • Mal-rotation | | | |
| | | <ul style="list-style-type: none"> • Midgut Volvulus • Ileocolic Intussusception (Idiopathic) • Meconium Ileus&Meconium Plug Syndrome • Meckel Diverticulum • Hirschsprung Disease • Anorectal Malformation. | | | |
| | liver | <ul style="list-style-type: none"> • Diffuse liver disease • Focal liver disease | | | |
| | Biliary | <ul style="list-style-type: none"> • Biliary Atresia • Choledochal Cyst • Caroli Disease | | | |
| Adult (Gastroenterolog iv | Alimentary tract | • Oesophagus. | | | |
| | | <ul style="list-style-type: none"> • Stomach • Duodenum | | | |
| | | <ul style="list-style-type: none"> • Small intestine • Appendix | | | |
| | | • Colon+ rectum | | | |
| | l i v | • Diffuse liver disease | | | |



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| | | <ul style="list-style-type: none"> Focal liver disease (benign) | | | |
| | | <ul style="list-style-type: none"> Focal liver disease (malignant) | | | |

| | | <u>Subjects</u> | <u>Date & hours</u> | <u>lecturer</u> | <u>Attendance</u> |
|---------------------------------------|----------|--|-------------------------|-----------------|-------------------|
| | biliary | <ul style="list-style-type: none"> | | | |
| | pancreas | <ul style="list-style-type: none"> | | | |
| Elective course | liver | <ul style="list-style-type: none"> Liver transplant | | | |
| Adult (Breast) | breast | <ul style="list-style-type: none"> Benign Vs. malignant | | | |
| | | <ul style="list-style-type: none"> Lactating Male breast LN | | | |
| | | <ul style="list-style-type: none"> Cancer Breast implant | | | |
| Pediatric2 (Urinary system & genital) | Urinary | <ul style="list-style-type: none"> Congenital abnormalities | | | |
| | | <ul style="list-style-type: none"> Multicystic renal diseases | | | |
| | | <ul style="list-style-type: none"> Renal masses Adrenal masses | | | |



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|--|----------------|--|--|--|--|
| | Genital | • | | | |
| | Others | <ul style="list-style-type: none"> • Rhabdomyosarcoma, Genitourinary • Sacrococcygeal Teratoma | | | |

| | | <u>Subjects</u> | <u>Date & hours</u> | <u>Lecturer</u> | <u>Attendance</u> |
|---|--------------------------------------|---|-------------------------|-----------------|-------------------|
| Adult (Urinary system) | Kidney | • Infection & inflammation | | | |
| | | • Trauma | | | |
| | | • Vascular | | | |
| | | • Neoplasm (BG) | | | |
| | | • Neoplasm (MG) | | | |
| | Ureter, bladder & urethra | <ul style="list-style-type: none"> • Infection, inflammation • Trauma • neoplasm | | | |
| Elective course | Renal | <ul style="list-style-type: none"> • Renal transplant | | | |
| Adult Suprarenal gland | Suprarenal gland | | | | |



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| Adult (Genital) | fem ale | <ul style="list-style-type: none"> uterus ovary | | | |
| | male | <ul style="list-style-type: none"> | | | |
| Adult Peritoneum & Retroperitoneal | | <ul style="list-style-type: none"> Peritoneum Retroperitoneal | | | |

- Time of attended lectures: hours
- Percentage: %

Signature of responsible chief Signature of department chief



Semester

(3)

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



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



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



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



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| | | Air Embolus, Pulmonary Thoracic Duct | | | |
| Mediastinum | | Anatomy Anterior mediastinum | | | |
| | | Middle mediastinum Posterior mediastinum | | | |



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



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



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|--------------------------|--|--|--|--|
| ACyanotic heart diseases | Ventricular Septal Defect (VSD) Atrial Septal Defect (ASD) Atrioventricular Septal Defect (AVSD) Patent Ductus Arteriosus (PDA) | | | |
| Others | Aorta. 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



| <u>Subjects</u> | <u>Date & hours</u> | <u>lecturer</u> | <u>Attendance</u> |
|-------------------------------|-------------------------|-----------------|-------------------|
| 1- Renal and liver transplant | | | |
| 2- Interventional | | | |