

4th semester MD:

- Neuroradiology
- Neuro-Vascular Imaging
- Head and neck Radiology
- Pediatrics related radiology
- Artificial intelligence

	<u>Chapters</u>	<u>Subjects</u>	<u>Date</u>	<u>lecturer</u>	<u>Signature</u>
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			
	7-Ventricles & Cisterns:				
		25- Hydrocephalus			
II. Spine:	1- Congenital and developmental disorders:				
		23- Congenital and developmental disorders I			
		24- Congenital and developmental disorders II			
	2- Infection, Inflammatory 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- Vascular and Systemic Disorders				
		28- Vascular and Systemic Disorders			
	6- Post-Operative Imaging and Complications				
		29- Post-Operative Imaging and Complications			

	7- Film interpretation			
	30- Film interpretation			
III. Head & neck:	a. Orbit :			
	31-			
	32- Film interpretation			
	b. Nose & PNS:			
	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 & submandibular space:			
h. Facial Trauma				
41- Facial Trauma				
i. Parotid space & para-pharyngeal space				
42- Parotid space & para-pharyngeal space				
j. Carotid space				
43- Carotid space				
k. Thyroid				
44- Thyroid				
l. Mandible & maxilla & TMJ				

	45-Mandible			
	m. Syndromic diseases			
	n. LNs			
	46-LNs			
	o. Transspatial and multispatial			
	47-			
	p. Film interpretation			
	48-Film interpretation			
IV. Pediatric I	1- DD. Of pediatric brain tumors:			
	49-D.D Of pediatric brain tumors:			
	2- D.D of pediatric neck masses:			
	50-D.D of pediatric neck masses			

Vascular	1- Arterial:			
	51-System			
	52-Local			
	53-Ischemia			
	2- Venous			
	54-DVT			
	55-Varicose vein			
	3- D.D			
56-				

- **Artificial intelligence**

•

Chapters	Steff
Introduction	ا.د/ داليا منير
Application in chest	ا.د/ داليا منير
Application in breast	ا.د/ محمود عبد اللطيف
Application of Artificial intelligence in uroradiology	د/ رشاطه
Application in neuroradiology	د.ايمان حلمى