

University of Basrah  
 College of Medicine  
 Department of Anatomy ,Histology and Embryology

Syllabus / 2<sup>nd</sup> year / Human Anatomy

----- :  
 Topics

Neuroanatomy :

Assistant prof : Dr Nawal M.Abdulla

Topics	Theory Practicle theory	= 30 lec = 7-8 lab practicle
<b>** Introduction</b>	1	
Nerve cells . Definition types of cells types of neurons , functions , terms related to neurology.		
<b>** Nervous tissue</b>	1	
Classification. Parts of central nervous Neuroglial cells ,types ,functions		
<b>**Meninges and dural folds:</b>	1	1
Definition. Parts ,functions , Blood supply ,nervous supply Applied anatomy		
<b>** Cranial venous sinuses</b>	1	1
Definition. , Classification Termination, direction of blood flow in cranial venous sinuses Communication , clinical notes		
<b>** Divisions of brain</b>	1	
Forebrain Midbrain Hindbrain		
<b>** Cerebral hemispheres:</b>	1	1

<b>Defintion.</b>			
<b>External features . lobes</b>			
<b>** Cerebral cortex</b>	<b>1</b>		
<b>Functional area of cerebral hemispheres</b>			
<b>Applied anatomy</b>			
<b>** Internal structure of cerebral hemisphere</b>	<b>1</b>		
<b>Fibers . types</b>			
<b>* *Basal ganglia</b>	<b>1</b>		
<b>types , arrangement</b>			
<b>functions</b>			
<b>**Ventricles of brain</b>	<b>1</b>		
<b>types . relation and boundaries</b>			
<b>functions</b>			
<b>contents</b>			
<b>* *Brain stem</b>	<b>1</b>	<b>1</b>	
<b>definition , parts , functions and relation</b>			
<b>** pons</b>	<b>1</b>		
<b>definition, gross appearance ,</b>			
<b>internal structure</b>			
<b>function and related structures.</b>			
<b>** Medulla oblongata</b>	<b>1</b>		
<b>Definition, gross appearance ,</b>			
<b>Internal structure , function,</b>			
<b>related structures.</b>			
<b>** Hindbrain</b>	<b>2</b>	<b>1</b>	
<b>* *cerebellum</b>			
<b>Definition, gross appearance</b>			
<b>Anatomical classification</b>			
<b>Functional classification</b>			
<b>Parts , internal structure , function</b>			
<b>Clinical notes related</b>			
<b>Diseases related</b>			
<b>**Blood supply of the brain</b>			
<b>Arteries involved</b>			
<b>Veins involved</b>			

<b>** Circle of Willis</b>	<b>1</b>	
<b>Communications</b>		
<b>Clinical notes.</b>		
<b>** Cerebrospinal fluid</b>	<b>1</b>	
<b>Definition, Circulation</b>		
<b>Absorption</b>		
<b>Function</b>		
<b>Clinical notes related to cerebrospinal fluid</b>		
<b>** Spinal cord;</b>	<b>2</b>	<b>1</b>
<b>External features</b>		
<b>Ligaments related</b>		
<b>Mechanism of support</b>		
<b>Relation of spinal cord to vertebral column.</b>		
<b>Function</b>		
<b>Clinical notes</b>		
<b>* Internal structure</b>		
<b>** Tracts of spinal cord</b>	<b>1</b>	
<b>** Pyramidal and extrapyramidal tract</b>	<b>1</b>	
<b>** pathway of pain and temperature .</b>	<b>1</b>	
<b>** Pathway of touch</b>	<b>1</b>	
<b>* *Pathway proprioception</b>	<b>1</b>	
<b>Differences between these tracts</b>		
<b>Clinical notes</b>		
<b>** Cranial nerves:</b>	<b>6</b>	<b>2</b>
<b>Definition, types</b>		
<b>Arrangement</b>		
<ul style="list-style-type: none"> <li>● <b>Each cranial nerve ,</b></li> <li>● <b>origin</b></li> <li>● <b>insertion</b></li> <li>● <b>pathway</b></li> <li>● <b>area of supply</b></li> <li>● <b>function</b></li> <li>● <b>Lesions related</b></li> </ul>		
<b>* * Autonomic nervous system;</b>	<b>1</b>	
<b>Definition, classification , differences , clinical notes</b>		
<b>Gastro intestinal tract :</b>		

Topics	theory	practicle
--------	--------	-----------

Assissent prof : Dr Nawal M . Abdulla

Theory : 12-15 lec

Prac. : 6 -8 lab.

<b>** Peritonium:</b>	<b>2</b>	<b>1</b>
<b>Definition, classification , types</b>		
<b>** lesser sac</b>	<b>1</b>	
<b>definition , classification , types</b>		
<b>* omental bursa</b>		
<b>Structure , contents , boundaries</b>		
<b>** greater sac</b>		
<b>Clinical notes</b>		
<b>Blood supply</b>		
<b>Nerve supply , lymphatics</b>		
<b>** Gastrointestinal tract</b>		
<b>** Esophagus</b>	<b>1</b>	<b>1</b>
<b>Abdominal esophagus , structure, length, Constrictions ,blood supply , nerve supply , lymphatics , innervation</b>		
<b>Clinical notes</b>		
<b>** stomach:</b>	<b>2</b>	<b>1</b>
<b>Gross appearance, relation, boundaries, parts</b>		
<b>Bloos supply, nerve supply and lymphatics</b>		
<b>Function</b>		
<b>Clinical notes and diseases related.</b>		
<b>** small intestine;</b>		
<b>** duodenum</b>	<b>1</b>	
<b>Structure, parts , relation and boundaries , blood supply,</b>		

nerve supply and lymphatics			
Function			
Clinical notes			
* jejunum and ileum	1		
Differences between, gross appearance ,relation , blood supply, nerve supply ,lymphatics and function			
* large intestine	1		1
Differences between large and small intestine			
Cecum			
Parts , description, relation ,boundaries , blood supply nerve supply , ileocecal valve			
* appendix	1		
structure, shape ,types ,relation , blood supply nerve supply and lymphatics			
* ascending colon			1
descending colon			
transverse colon			
parts , description, relation ,blood supply , nerve supply and lymphatics .			
*Blood supply of abdomen.	1		
Branches of abdominal aorta			1
celiac trunk			
superior mesenteric artery			
inferior mesenteric artery			
* Venous drainage of abdomen	1		
Porto caval anastomosis			
* Definition, communications			
* liver	1		
Gross appearance. Relation ,divisions , boundaries			
Blood supply , nerve supply and lymphatics			
Clinical notes			
* gall bladder	1		1

<b>Structure, relation , blood supply ,nerve supply . .l.nodes Clinical notes * pancreas</b>	<b>1</b>	
<b>Structure, relation , parts, blood supply, nerve supply and lymphatics * spleen.</b>	<b>1</b>	
<b>Structure, relation , blood supply .l.n. ,function and relation * kidney</b>	<b>1</b>	<b>1</b>
<b>Structure , internal structure , parts Relation .blood supply, nerve supply l.n Clinical notes * suprarenal gland Structure, relation, Blood supply , nerve supply and innervations * ureters</b>	<b>1</b>	
<b>normal constrictions , structure, blood supply, nerve supply and lymphatics Functions Clinical notes.</b>		

**Pelvis:**

	<b>Ass-lect Dr Saleh</b>	
	<b>Theory</b>	<b>prac.</b>
	<b>5</b>	<b>2 lab</b>
<b>* Orientation of pelvis, False and true pelvis Structures of pelvic wall. contents of pelvic diaphragm</b>	<b>1</b>	
<b>* pelvic viscera in male Sigmoid colon ,rectum , , urinary bladder</b>	<b>1</b>	<b>1</b>
<b>* Male genital organs</b>	<b>1</b>	
<b>pelvic viscera in female sigmoid colon</b>	<b>1</b>	

**,rectum ureters  
urinary  
parietal pelvic fascia  
\* perineum  
nerves  
sacral plexuses ,  
lumbar plexuses ,  
autonomic nerves  
, arteries of pelvis  
\* sex differences of pelvis**

**1**

**1**

## Head and Neck:

Ass-lec Dr Saleh .

	Theory	prac.
<b>* skull</b>		
<b>Osteology</b>	<b>4</b>	<b>2</b>
<b>compostion,</b>		
<b>cranial and fascial bones</b>		
<b>views of skull</b>		
<b>anterior</b>		
<b>lateral</b>		
<b>superior</b>		
<b>inferior</b>		
<b>cranial cavity</b>		
<b>anterior cranial fossa</b>		
<b>,middle cranial fossa</b>		
<b>posteriot cranial fossa</b>		
<b>* mandible</b>	<b>1</b>	<b>1</b>
<b>* temporal fossa</b>	<b>1</b>	<b>1</b>
<b>temporalis muscle</b>		
<b>Contents , structures , nerves ,</b>		
<b>vessels ,</b>		
<b>associated structures</b>		
<b>* infratemporal fossa</b>	<b>1</b>	<b>1</b>
<b>contents , boundaries</b>		
<b>structures related.</b>		
<b>* orbit:</b>	<b>1</b>	<b>1</b>
<b>Bonny orbit</b>		
<b>Openings</b>		
<b>structures related</b>		
<b>Nerves and vessels</b>		
<b>* Lacrimal apparatus</b>	<b>1</b>	
<b>Eyelid</b>		