



**Theory program for Heart and blood circulation (Anatomical science)**

**International class (Medical students)**

**Credit: 1 (17 hour)- Tuesdays**

**Course Leader: Dr. Mehdizadeh**

<b>Faculties</b>	<b>Titles</b>	<b>DATE</b>	
Dr.Mehdizadeh	Histology of Blood and lymphatic vessels (Virtual )	۶/۲۷	۱
Dr.Mehdizadeh	Histology of lymphatic system(spleen-thymus-lymphatic node-Tonsil) ( Virtual )	۷/۳	۲
Dr.Mehdizadeh	Thoracic skeletal (ribs, sternum, vertebral column) Thoracic muscles (intercostal muscles, Diaphragm)	۷/۱۰	۳
Dr.Mehdizadeh	Mediastinum- Heart	۷/۱۷	۴
Dr.Mehdizadeh	Coronary vessels- pericardium- Clinical Applications of Radiological Images - Surface Anatomy	۷/۲۴	۵
Dr.Mehdizadeh	Thoracic vessels and nerves- Abdominal vessels- Pelvic vessels	۸/۱	۶
Dr.Mehdizadeh	Development of Heart	۸/۸	۷
Dr.Mehdizadeh	Development of blood circulation	۸/۱۵	۸

**Theory unit: 1 unit of anatomy of the cardiovascular system**

**Ref , the heart textbook**

**Blood circulation / Babazadeh-Eshraqieh publications and other reliable books.**

**Please pay attention to extra times.**



**Practical program for Heart and blood circulation (Anatomical science)**

**International class (Medical students)**

**Credit: 0.5 (17 hour)**

**Course Responsible: Dr. Mehdi Mehdizadeh**

	<b>Titles</b>	
Dr. Mehdizadeh- Dr. Badeli	Histology of Heart and Blood vessels -lymphatic system(spleen-thymus-lymphatic node-Tonsil) (Virtual)	۶/۳۱
Dr. Mehdizadeh- Dr. Badeli	Histology of Heart and Blood vessels -lymphatic system(spleen-thymus-lymphatic node-Tonsil) (Virtual)	۷/۷
Dr. Mehdizadeh- Dr. Badeli	Thoracic skeletal (ribs, sternum, vertebral column) Thoracic muscle (intercostal muscles, Diaphragm)	۷/۱۴
Dr. Mehdizadeh- Dr. Badeli	Heart- Mediastinum	۷/۲۸
Dr. Mehdizadeh- Dr. Badeli	Coronary vessels- Thoracic vessels and nerves	۸/۱۲
Dr. Mehdizadeh- Dr. Badeli	Abdominal vessels - Pelvic vessels	۸/۲۶



## Upper and lower extremities curriculum (1.8 credits)

First semester of 1403-1404

Hemmat Campus

	Subjects	Dates	Teacher(s)
1.	Bones: Clavicle, scapula humeros ligaments, muscular attachments, joints and clinical correlations	11.7.1403	Dr Koruji
2.	Bones: ulna, radius, hand), ligaments, muscular attachments, joints and clinical correlations	18.7.1403	Dr Koruji
3.	Muscles: Posterior scapular region, Axilla, arm and Anterior compartment of forearm (muscles, fasciae, clinical correlations)	26.7.1403	Dr Koruji
4.	Posterior compartment of forearm and hand (muscles, fasciae, clinical correlations)	2.8.1403	Dr Koruji
5.	Vessels of upper limb, clinical correlations)	9.8.1403	Dr Koruji
6.	Nerves of upper limb, clinical correlations	16.8.1403	Dr Koruji
7.	Vertebra, Limbs development	Content	Dr Moradi
8.	Vertebral column	Content	Dr Koruji
9.	Bones: , hip bone (femur, tibia, fibula), ligaments, muscular attachments, joints and clinical correlations, joints	23.8.1403	Dr Moradi
10.	Bones: (foot bones), ligaments, muscular attachments, joints and clinical correlations, anterior compartments of thigh medial compartments of thigh(muscles	30.8.140.	Dr Moradi
11.	Muscles: & anterior compartments of thigh medial compartments of thigh(muscles, fasciae, clinical correlations)Popliteal fossa,)	7.9.1403	Dr Moradi
12.	Muscles: Gluteal region, Posterior compartment of leg, Lateral And anterior compartments of leg, foot (muscles, fasciae, clinical correlations)	14.9.1403	Dr Moradi
13.	Vessels of lower limb, clinical correlations)	21.9.1403	Dr Moradi



14.	Nerves of lower limb, clinical correlations	28.9.1403	Dr Moradi
15.	<b><u>Part A exam(Score :10)</u></b>	Based on educational office	Dr Koruji
16.	<b><u>Part B exam(Score: 10)</u></b>	Based on educational office	Dr Moradi

**References:** Gray's Anatomy for Students, Snell's Clinical Anatomy

**Quota:** Dr Koruji: 0.9 credit

Dr Moradi: 0.9 credit

Score: 20

### Practical Course of Upper and lower extremities

#### Dissecting room of IUMS

Sessions	Subjects	Date	Teachers
1.	Bones: Clavicle, scapula and humerus), ligaments, muscular attachments, joints	14.7.1403	Dr Koruji- Dr Moradi
2.	Bones: ulna, radius and carpal,... , ligaments, muscular attachments joints	21.7.1403	Dr Koruji- Dr Moradi
3.	Axilla and arm (muscles, fasciae)	28.7.1403	Dr Koruji- Dr Moradi
4.	Anterior & Posterior of forearm and hand (muscles, fasciae)	5.8.1403	Dr Koruji- Dr Moradi
5.	Vessels of upper limb, Nerves of upper limb	19.8.1403	Dr Koruji- Dr Moradi
6.	Vertebral bones, hip bone	26.8.1403	Dr Koruji- Dr Moradi
7.	Bones: (Bony pelvis, femur), ligaments, muscular attachments, joints	3.9.1403	Dr Koruji- Dr Moradi
8.	Bones: (tibia, fibula and foot bones), ligaments, muscular attachments, joints	10.9.1403	Dr Koruji- Dr Moradi
9.	Muscles: Gluteal region & anterior and medial compartments of thigh(muscles, fasciae,) Popliteal fossa, Anterior compartment of leg, And posterior compartments of leg, foot (muscles, fasciae),	17.9.1403	Dr Koruji- Dr Moradi
	Vessels and Nerves of lower limb	1/10/1403	Dr Koruji- Dr Moradi
	<b>Exam</b>		Dr Koruji- Dr Moradi

Quota: Dr Kouji 1.2 credit

Dr Moradi: 1.2 credit

Score: 20



دانشگاه علوم پزشکی و خدمات بهداشتی درمانی گیلان

In the name of God

### Course plan for urinary tract from Urogenital Course

Lecturer	Time	Day	Department	Subjects	Dates	
Dr. Nazmara	13-15	Tuesday	Anatomy	Histology of male & female genital system	1403.06.28	1
Dr. Nazmara	13-15	Sunday	Anatomy	Histology of urinary tract	1403.07.01	2
Dr. Balouchnejad	13-15	Tuesday	Anatomy	Urine formation by kidneys	1403.07.03	3
Dr. Balouchnejad	13-15	Sunday	Physiology	Glomerular filtration and effective factors, Renal re-absorption and secretion	1403.07.08	4
Dr. Balouchnejad	13-15	Tuesday	Physiology	Tm-FF- RBF Cx Membranous transportation	1403.07.10	5
Dr. Balouchnejad	13-15	Sunday	Physiology	Renal reabsorption and secretion, Urine concentration and dilution	1403.07.15	6
Dr. Fallah	13-15	Tuesday	Biochemistry	Acid and base balance	1403.07.17	7
Dr. Fallah	13-15	Sunday	Biochemistry	Biochemistry of urine	1403.07.22	8

**1st term 1403-1404**



<b>Lecturer</b>	<b>Time</b>	<b>Day</b>	<b>Department</b>	<b>Subjects</b>	<b>Date</b>
Dr. Asgari	13-15	Tuesday	Anatomy	Anatomy of urinary tract from kidney to urethra	1403.07.24
Dr. Asgari	13-15	Sunday	Anatomy	Development of urinary tract	1403.07.29
Dr. Asgari	13-15	Tuesday	Anatomy	Anatomy of male genital system and bony pelvis	1403.08.01
Dr. Asgari	13-15	Sunday	Anatomy	Anatomy of female genital system and bony pelvis	1403.08.06
Dr. Asgari	13-15	Tuesday	Anatomy	Anatomy of perineum in male and female	1403.08.08
Dr. Asgari	13-15	Sunday	Anatomy	Embryology of male and female genital system	1403.08.13

In the name of God

**Course plan for genital tract from Urogenital Course**

**1st term 1403-1404**



**Respiratory Tract**  
**For Medical students of Rasool Akram Hospital**  
**First term – 1403-1404**

Lecturer	Department	Subject	Time	Date	Day	
Dr Nikbakht	Physiology	Physiology of respiratory tract	9-13	1403.07.01	Sunday	1
Dr Asgari	Anatomy	Anatomy of nose & Pharynx & trachea & Larynx	9-13	1403.07.08	Sunday	2
Dr Nikbakht	Physiology	Physiology of respiratory tract	9-13	1403.07.15	Sunday	3
Dr Asgari	Anatomy	Anatomy of Lungs & Development of Respiratory tract	9-13	1403.07.22	Sunday	4
Dr Asgari	Anatomy	Histology of Respiratory tract	9-13	1403.07.29	Sunday	5



**Respiratory Tract**  
**For Medical students of Qods**  
**First term – 1403-1404**

Lecturer	Department	Subject	Time	Date	Day	
Dr Nikbakht	Physiology	Physiology of respiratory tract	9-13	1403.06.28	Sunday	1
Dr Asgari	Anatomy	Anatomy of nose & Pharynx & trachea & Larynx	9-13	1403.07.04	Sunday	2
Dr Nikbakht	Physiology	Physiology of respiratory tract	9-13	1403.07.11	Sunday	3
Dr Asgari	Anatomy	Anatomy of Lungs & Development of Respiratory tract	9-13	1403.07.18	Sunday	4
Dr Asgari	Anatomy	Histology of Respiratory tract	9-13	1403.07.25	Sunday	5





**Theory program for Head and Neck**  
**International class (Medical students-MBBS)**  
**Course Leader: Dr. Shabani**

نام استاد	Titles	Date	Time	
Dr. Shabani	Skull: Bones of calvaria (Parietal, Occipital, Frontal, Sphenoid)	25/9/2024	13-15	<b>1</b>
Dr. Shabani	Temporal, Ethmoid, Palatine & Maxilla	2/10/2024	13-15	<b>2</b>
Dr. Shabani	Other bones -view of skull	9/10/2024	13-15	<b>3</b>
Dr. Shabani	Orbital cavity- nasal cavity & cervical vertebra & radiology	16/10/2024	8-10	<b>4</b>
Dr. Shabani	Neck: its limits, its divisions, neck triangles, Fascia's & Muscles in ant. triangle (suprahyoid)	23/10/2024	8-10	<b>5</b>
Dr. Shabani	Muscles in ant. triangle (infra hyoid) & Scalene & Prevertebral muscles & posterior part of neck	30/10/2024	8-10	<b>6</b>
Dr. Shabani	Muscles in the face (superficial & mastications)	6/11/2024	8-10	<b>7</b>
Dr. Shabani	Vessels (carotid & vertebral)	13/11/2024	8-10	<b>8</b>
Dr. Shabani	Temporal and infera temporal fossa	20/11/2024	8-10	<b>9</b>
Dr. Shabani	embryology: skull, Pharyngeal arches & face	27/11/2024	8-10	<b>10</b>



### Practical program

Faculty	Titles	Date	
Dr. Shabani	Superior view (ext. & int. surfaces), Occipital view		1
Dr. Shabani	Frontal view & the orbit. Lateral view (temporal, infratemporal, pterygoid fossa)		2
Dr. Shabani	Base of skull (int. & ext. surfaces)		3
Dr. Shabani	nasal cavity & cervical vertebra- neck triangles		4
Dr. Shabani	Muscles in ant. triangle (infra hyoid) & Scalene & Prevertebral muscles & posterior part of neck		5
Dr. Shabani	Muscles in the face- Vessels (carotid & vertebral)		6
Dr. Shabani	Contents in the cervical triangles		7



**Theory program for Digestive system**

**Course Leader: Dr. Shabani**

**Course Leader for Physiology: Dr. Azizi**

Faculties	Titles	Date	Time	
Dr. Shabani	Anatomy structure of Oral cavity, pharynx, esophagus	202۴/۹/۱۵	8-10	<b>1</b>
Dr. Shabani	Anatomy structure of abdominal muscles, inguinal canal	202۴/۹/۲۲	8-10	<b>2</b>
Dr. Shabani	Development of Digestive tube and peritoneal cavity	202۴/۹/۲۰	۸-1۰	<b>3</b>
Dr. Shabani	Anatomy of Peritoneum and peritoneal cavity	202۴/۹/۲۵	۱۰-1۲	<b>4</b>
Dr. Shabani	Anatomy structure of Stomach, Duodenum, celiac trunk	202۴/۹/۲۹	8-10	<b>5</b>
Dr. Shabani	Anatomy structure of small intestine, large intestine, superior and inferior mesenteric artery	202۴/10/۲	۸-1۰	<b>6</b>
Dr. Shabani	Anatomy structure of Rectum and Anal canal	202۴/10/۲	۱۰-1۲	<b>7</b>
Dr. Shabani	Anatomy structure of liver, pancreas, spleen, gallbladder	202۴/10/۶	8-10	<b>8</b>
Dr. Shabani	Histology of digestive tube (teeth, tongue and palate)	202۴/10/۹	۸-1۰	<b>9</b>
Dr. Shabani	Histology of digestive tube ( stomach, esophagus, small and large intestine)	202۴/10/۹	۱۰-1۲	<b>10</b>
Dr. Shabani	Histology of liver, pancreas, spleen, gallbladder salivary gland)	202۴/10/۱۳	8-10	<b>11</b>
Dr. Azizi	Gastrointestinal and salivary gland function and chewing reflex	202۴/10/۱۶	۸-1۰	<b>12</b>



دانشگاه علوم پزشکی و خدمات بهداشتی درمانی گیلان

Dr. Azizi	Gastric Function and Related Enzymes	202٤/10/١ ٦	١٠-1٢	<b>13</b>
Dr. Azizi	Function of the small intestine and associated glands	202٤/1٠/٢ ٠	8-10	<b>14</b>
Dr. Azizi	Large intestine function	202٤/1٠/٢ ٣	8-10	<b>15</b>
Dr. Azizi	The physiology of digestion and absorption	202٤/1٠/٢ ٣	10-12	<b>16</b>
Dr. Nourbakhsh	Transfer of lipids and lipoproteins into the bloodstream	202٤/1٠/٢ ٧	8-10	<b>17</b>
Dr. Nourbakhsh	The chemical composition of bile and its synthesis	202٤/1٠/٣ ٠	٨-1٠	<b>18</b>

<b>Faculty</b>	<b>Titles</b>	<b>Date</b>	
Dr. Shabani	Oral cavity, pharynx, esophagus		<b>1</b>
Dr. Shabani	Abdominal muscles, inguinal canal, peritoneum		<b>2</b>
Dr. Shabani	Digestive tube( Stomach, Duodenum, celiac trunk, small intestine, large intestine)		<b>3</b>
Dr. Shabani	Associated glands( liver, pancreas, spleen, gallbladder)		<b>4</b>
Dr. Shabani	Histology of digestive tube (teeth, salivary gland, tongue)		<b>5</b>
Dr. Shabani	Histology of digestive tube (stomach ,small and large intestine)		<b>6</b>
Dr. Shabani	Histology of associated glands		<b>7</b>



دانشگاه علوم پزشکی دانشگاه گیلان

**Practical program for Digestive system**

**Saturday 13-17**

**Theory program for Digestive system**

**Course Leader: Dr. Shabani**

**Course Leader for Physiology: Dr. Azizi**

Faculties	Titles	Date	Time	
Dr. Shabani	Anatomy structure of Oral cavity, pharynx, esophagus	202۴/۹/۱۵	8-10	<b>1</b>
Dr. Shabani	Anatomy structure of abdominal muscles, inguinal canal	202۴/۹/۲۲	8-10	<b>2</b>
Dr. Shabani	Development of Digestive tube and peritoneal cavity	202۴/۹/۲۵	۸-1۰	<b>3</b>
Dr. Shabani	Anatomy of Peritoneum and peritoneal cavity	202۴/۹/۲۵	۱۰-1۲	<b>4</b>
Dr. Shabani	Anatomy structure of Stomach, Duodenum, celiac trunk	202۴/۹/۲۹	8-10	<b>5</b>
Dr. Shabani	Anatomy structure of small intestine, large intestine, superior and inferior mesenteric artery	202۴/10/۲	۸-1۰	<b>6</b>
Dr. Shabani	Anatomy structure of Rectum and Anal canal	202۴/10/۲	۱۰-1۲	<b>7</b>
Dr. Shabani	Anatomy structure of liver, pancreas, spleen, gallbladder	202۴/10/۶	8-10	<b>8</b>
Dr. Shabani	Histology of digestive tube (teeth, tongue and palate)	202۴/10/۹	۸-1۰	<b>9</b>
Dr. Shabani	Histology of digestive tube ( stomach, esophagus, small and large intestine)	202۴/10/۹	۱۰-1۲	<b>10</b>
Dr. Shabani	Histology of liver, pancreas, spleen, gallbladder salivary gland)	202۴/10/۱۳	8-10	<b>11</b>
Dr. Azizi	Gastrointestinal and salivary gland function and chewing reflex	202۴/10/۱۶	۸-1۰	<b>12</b>
Dr. Azizi	Gastric Function and Related Enzymes	202۴/10/۱۶	۱۰-1۲	<b>13</b>
Dr. Azizi	Function of the small intestine and associated glands	202۴/1۰/۲۰	8-10	<b>14</b>
Dr. Azizi	Large intestine function	202۴/1۰/۲۳	8-10	<b>15</b>
Dr. Azizi	The physiology of digestion and absorption	202۴/1۰/۲۳	10-12	<b>16</b>



دانشگاه علوم پزشکی شیراز، صنعت بهداشت، ادنی بران

Dr. Nourbakhsh	Transfer of lipids and lipoproteins into the bloodstream	202۴/1۰/۲۷	8-10	17
Dr. Nourbakhsh	The chemical composition of bile and its synthesis	202۴/1۰/۳۰	۸-1۰	18

### Practical program for Digestive system

Saturday 13-17

Faculty	Titles	Date	
Dr. Shabani	Oral cavity, pharynx, esophagus		1
Dr. Shabani	Abdominal muscles, inguinal canal, peritoneum		2
Dr. Shabani	Digestive tube (Stomach, Duodenum, celiac trunk, small intestine, large intestine)		3
Dr. Shabani	Associated glands (liver, pancreas, spleen, gallbladder)		4
Dr. Shabani	Histology of digestive tube (teeth, salivary gland, tongue)		5
Dr. Shabani	Histology of digestive tube stomach, small and large intestine)		6
Dr. Shabani	Histology of associated glands		7



دانشگاه علوم پزشکی اصفهان

**Theory program for Digestive system**  
**Course Leader: Dr. Shabani**  
**Course Leader for Physiology: Dr. Azizi**

Faculties	Titles	Date	Time	
Dr. Shabani	Anatomy structure of Oral cavity, pharynx, esophagus	202۴/۹/۱۶	8-10	<b>1</b>
Dr. Shabani	Anatomy structure of abdominal muscles, inguinal canal	202۴/۹/۲۳	8-10	<b>2</b>
Dr. Shabani	Development of Digestive tube and peritoneal cavity	202۴/۹/۲۴	۸-1۰	<b>3</b>
Dr. Shabani	Anatomy of Peritoneum and peritoneal cavity	202۴/۹/۲۴	۱۰-1۲	<b>4</b>
Dr. Shabani	Anatomy structure of Stomach, Duodenum, celiac trunk	202۴/۹/۳۰	8-10	<b>5</b>
Dr. Shabani	Anatomy structure of small intestine, large intestine, superior and inferior mesenteric artery	202۴/10/۱	۸-1۰	<b>6</b>
Dr. Shabani	Anatomy structure of Rectum and Anal canal	202۴/10/۱	۱۰-1۲	<b>7</b>
Dr. Shabani	Anatomy structure of liver, pancreas, spleen, gallbladder	202۴/10/۷	8-10	<b>8</b>
Dr. Shabani	Histology of digestive tube (teeth, tongue and palate)	202۴/10/۸	۸-1۰	<b>9</b>
Dr. Shabani	Histology of digestive tube (stomach, esophagus, small and large intestine)	202۴/10/۸	۱۰-1۲	<b>10</b>
Dr. Shabani	Histology of liver, pancreas, spleen, gallbladder salivary gland)	202۴/10/۱۴	8-10	<b>11</b>
Dr. Azizi	Gastrointestinal and salivary gland function and chewing reflex	202۴/10/۱۵	۸-1۰	<b>12</b>
Dr. Azizi	Gastric Function and Related Enzymes	202۴/10/۱۵	۱۰-1۲	<b>13</b>
Dr. Azizi	Function of the small intestine and associated glands	202۴/1۰/۲۱	8-10	<b>14</b>
Dr. Azizi	Large intestine function	202۴/1۰/۲۲	8-10	<b>15</b>
Dr. Azizi	The physiology of digestion and absorption	202۴/1۰/۲۲	10-12	<b>16</b>



دانشگاه علوم پزشکی شیراز، صنعت سلامت، دانش بران

Dr. Nourbakhsh	Transfer of lipids and lipoproteins into the bloodstream	2024/10/28	8-10	17
Dr. Nourbakhsh	The chemical composition of bile and its synthesis	2024/10/29	1-8	18

### Practical program for Digestive system

Thursday 10-15

Faculty	Titles	Date	
Dr. Shabani	Oral cavity, pharynx, esophagus		1
Dr. Shabani	Abdominal muscles, inguinal canal, peritoneum		2
Dr. Shabani	Digestive tube (Stomach, Duodenum, celiac trunk, small intestine, large intestine)		3
Dr. Shabani	Associated glands (liver, pancreas, spleen, gallbladder)		4
Dr. Shabani	Histology of digestive tube (teeth, salivary gland, tongue)		5
Dr. Shabani	Histology of digestive tube (stomach, small and large intestine)		6
Dr. Shabani	Histology of associated glands		7





## Special sense

شهر قدس

Theoretical sessions (first semester 1403) – Wednesdays

### Anatomy, Histology and Embryology

Session	Date	Time	Subject	
1	1403.9.7	8-10	Orbit walls, muscles, ligaments, fascia's	Dr. Parvari
2	1403.9.7	10-12	Nerves & vessels in the orbit	"
3	1403.9.14	8-10	Eye histology	"
4	1403.9.14	10-12	Ear anatomy (external, middle ear)	"
5	1403.10.5	8-10	Ear anatomy (internal ear), Ear histology	"
6	1403.10.5	10-12	Eye & Ear embryology	"

### Practical sessions

Session	Date	Time	Subject	
1	with theory		Eye anatomy/ Eye histology	Dr. Parvari
2	"		Ear anatomy	"



## Special sense

(حضرت رسول اکرم)

Theoretical & Practical sessions (first semester 1403) – Sundays

### Anatomy, Histology and Embryology

#### Theoretical sessions – Sundays

Session	Date	Time	Subject	
1	1403.8.6	10-12	Orbit walls, muscles, ligaments, fascia's	Dr. Parvari
2	1403.8.13	10-12	Nerves & vessels in the orbit	"
3	1403.8.20	8-10	Eye histology	"
4	1403.8.20	10-12	Ear anatomy (external, middle ear)	"
5	1403.9.4	8-10	Ear anatomy (internal ear), Ear histology	"
6	1403.9.4	10-12	Eye & Ear embryology	"

#### Practical sessions – Thursday

Session	Date	Time	Subject	
1		8-15	Eye anatomy/ Eye histology	Dr. Parvari
2		8-15	Ear anatomy	"



## Special sense

(پرديس همت)

Theoretical & Practical sessions (first semester 1403) - Tuesdays

### Anatomy, Histology and Embryology

Theoretical sessions - Tuesdays

Session	Date	Time	Subject	
1	1403.8.8	10-12	Orbit walls, muscles, ligaments, fascia's	Dr. Parvari
2	1403.8.15	10-12	Nerves & vessels in the orbit	"
3	1403.8.22	8-10	Eye histology	"
4	1403.8.22	10-12	Ear anatomy (external, middle ear)	"
5	1403.8.29	8-10	Ear anatomy (internal ear), Ear histology	"
6	1403.8.29	10-12	Eye & Ear embryology	"

Practical sessions – Saturdays

Session	Date	Time	Subject	
1			Eye anatomy/ Eye histology	Dr. Parvari
2			Ear anatomy	"



## Practical program for neuroanatomy International class (Medical students)

	<i>first semester of 1403 1404 neuroanatomy</i>		
	<i>practical neuroanatomy</i>	<b>Attends</b>	
	<i>Nervous system histology(virtual)</i>	DR.Badeli	۷/۱۴
<b>1</b>	spinal cord and meninges	DR.Badeli	۷/۲۱
<b>2</b>	Brain stem, cranial nerves and fourth ventricles	DR.Badeli	۷/۲۸
<b>3</b>	cerebellum, diencephalon and third ventricles	DR.Badeli	۸/۵
<b>4</b>	cortex	DR.Badeli	۸/۱۲
<b>5</b>	lateral ventricle and transverse section of the brain, white matter, association fiber	DR.Badeli	۸/۱۹
<b>6</b>	Brain vessels	DR.Badeli	۸/۲۶

**Course Leader: Dr. Badeli**

Theory program for endocrine glands

International class (Medical students)

**Course Leader: Dr. Badeli**

Titles		Date		
Dr.Badeli	Anatomy, embryology and histology of hypophysis, hypothalamus and pineal glands	۰۳/۸/۸	8-10	<b>1</b>
Dr.Badeli	Anatomy, embryology and histology of thyroid, parathyroid pancreas and adrenal glands	۰۳/۸/۲۱	8-10	<b>2</b>



Practical program for endocrine glands

International class (Medical students)

Course Leader: Dr. Badeli

Titles		Date		
Dr.Badeli	Hypophysis , thyroid , adrenal and pancreas glands, Histology	۰۸/۲۴	8-10	1
Dr.Badeli	Hypothalamus, hypophysis, pineal Anatomy	09/01	8-10	2
Dr.Badeli	pancreas and adrenal thyroid, parathyroid glands Anatomy	09/08	8-10	3

Theory program for endocrine glands

International class (Medical students)

Course Leader: Dr. Badeli

Titles		Date		
Dr.Badeli	Anatomy, embryology and histology of hypophysis, hypothalamus and pineal glands	۰۳/۸/۹	8-10	1
Dr.Badeli	Anatomy, embryology and histology of thyroid, parathyroid pancreas and adrenal glands	۰۳/۸/۲۰	8-10	2



## Practical program for endocrine glands

International class (Medical students)

Course Leader: Dr. Badeli

Titles		Date		
Dr.Badeli	Hypophysis , thyroid , adrenal and pancreas glands, Histology	09/03	8-10	1
Dr.Badeli	Hypothalamus, hypophysis, pineal Anatomy	09/10	8-10	2
Dr.Badeli	pancreas and adrenal thyroid, parathyroid glands Anatomy	09/24	8-10	3

### School of Medicine

Anatomy Department

**Course title: Head Neck- Theory**

**Credit: Theory 1.2 practice 0.5**

**Course lecturers:**

Midterm, Bone contents: about **40% of whole mark**

Final contents: about **60% of whole mark**

Mid exam grade :**8**

Final Exam grade: **12**

References: Snell & Grays anatomy for students

### **Theory course description:**

Teaching the principles of head neck anatomy that includes bones, muscles, vessels and nerves

Learning Objectives:

- After learning, the student should be able to describe the:

1- Some **terms** about skull such as sutures, fontanel, some landmarks.



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- 2- Aspects of skull one by one (anterior. posterior. superior, inferior) and Base of skull
- 3- Scalp (layers, innervation & blood supply)
- 4- Meninges (layers, dural folds & sinuses) and clinical notes
- 5- About neck: fascia (superficial & deep), neck triangles, muscles (SCM, Trapezius, suprahyoid muscles, infrahyoid muscles as strap muscles, scalene muscles) and function.
- 6- Cervical plexus, cervical Ansa and skin innervation and innervation of muscles of the neck,
- 7- Arteries and veins of the neck (external carotid and branches /external jugular formation & internal jugular formation) and lymphatic drainage of the neck (superficial and deep).
- 8- Face: muscles, arteries (facial & branches, superficial temporal and some branches of ophthalmic), veins (facial, superficial temporal and some branches to ophthalmic vein) and lymphatic drainage of the face.
- 9- Innervation of facial muscles (facial nerve and branches), skin innervation of face (trigeminal branches & Great auricular nerve) -mastication muscles, innervation and function
- 10- Infratemporal boundaries & contents include muscles inside the infratemporal fossa &, nerves inside the infratemporal fossa (mandibular branches, optic ganglion, chorda tympani) and arteries inside the infratemporal fossa (branches of maxillary artery)., veins (pterygoid plexus)
- 11- Pterygopalatine fossa & contents (maxillary nerve, third part of maxillary artery and branches) and TMG
- 12- Salivary gland (parotid, submandibular & sublingual) & thyroid gland (structure, blood & nerve supply)
- 13- Embryology of head & neck