

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

Course Name	No. of Hours	Course No.	Previous course	Synchronous course
Pathology I	45 hours	014211	013210	

Course description:

This course will enable the student to understand appropriate system specific terminology of disease description as well as etiology, pathogenesis and morphological changes for the various organ systems.

Course objectives:

1. Provide students with essential medical knowledge and a broad understanding of the basic tissue reactions of specific organs to different types of injuries.
2. Promoting self-education and lifelong learning regarding pathological process that associated with different types of diseases.
2. Understanding the etiology and pathogenesis of diseases in different systems.
4. Describe the morphologic changes associated with the diseases in various organs.
5. Describe the effects of the disease on the functions of organs.

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

6. Study the outcome and possible complications of the disease in specific organs.

Contents of the course (three hours) theoretical units and (one hour) practical unit:

Part I: First (pathology course II (2) unit theory and (1) unit practical)

No. of Weeks	Theory Lectures Topics 2 hours/week	Practical Sessions Topics 2 hours/week
1 st wk	Structure and Function of Blood Vessels, Vascular Wall Response to Injury	Hypertensive vascular disease, The basic structure of an atheromatous plaque.
	congenital anomalies, Blood pressure regulation, Atherosclerosis Vascular tumors.	Response to injury in atherogenesis, Aorta with fatty streaks, Atherosclerotic plaque, Cystic medial degeneration
2 nd wk	Congenital heart disease, IHD. Valvular HD.	Detail slides, congenital heart diseases, valvular diseases
	pericardial HD, cardiac tumor ,cardiomyopathies and myocarditis, pericardial diseases.	Histological slides, power point and practical pathology detail, pericarditis, myocarditis, cardiomyopathy
3 rd wk	Anemia: Iron deficiency anaemia , Megaloblastic	Anemia slides and practical discussion

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

	anaemia, pernicious anaemia,	
	Heamolytic anaemia, bleeding disorder :DIC, idiopathic thrombocytopenic purpura	Nutritional anemia, coagulation disorders, platelet defect, slides and power point presentation with discussion.
4 rd wk	Leukocytosis, leukopenia: neutropenia, lymphopenia.	White blood cell disorder, leukocytosis and leukopenia, slides
	Acute lymphoblastic and myeloblastic, leukemias	Leukemia ALL and AML different slides
5 th wk	Chronic lymphocytic and myelocytic leukemia	CLL and CML slides and discussion
	Upper respiratory tract diseases	Nasal polyp respiratory tract infection
6 th wk	Nasal polyp, -acute chronic laryngitis.	Slides laryngitis acute and chronic
	- Chronic Obstructive airway disease -Asthma, emphysema -chronic bronchitis, bronchiectasis	COAD –Asthma slides, emphysema slides, mucous plugs slides, chronic bronchitis.

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

7 th wk	Nasopharyngeal carcinoma	Nasopharyngeal carcinoma, lymphoma of the nasal cavity, slides
	Pathology of pulmonary infection - lobar and bronchopneumonia.	Lobar and bronchopneumonia slides
8 th wk	Interstitial lung diseases, Vascular lung diseases, pleural diseases.	Interstitial lung diseases slides Vascular lung disease- atherosclerosis slides
	Lung neoplasms.	Bronchogenic carcinoma- different slides and poerpoint presentation
9 th wk	Diseases of oral cavity and salivary glands.	Pre neoplastic oral diseases, neoplastic diseases of oral cavity slides (leukoplekia). sialadenitis , pleomorphic adenoma
	Inflammatory and nonneoplastic diseases of the esophagus	Esophagitis, esophageal achalasia
10 th wk	Neoplastic diseases of esophagus	Squamous cell carcinoma – esophagus, Adenocarcinoma of the esophagus.
	Non neoplastic diseases of the stomach, gastritis & peptic ulcer	Acute and Chronic gastritis, peptic ulcer different slides
11 th	Chronic gastritis, H pylori	H pylori chastritis different slides, MALT lymphoma,

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

wk	gastritis, pernicious anemia.	atrophic gastritis, pernicious anemia slides.
	Neoplastic diseases of the stomach	Neoplastic diseases of the stomach, Adenocarcinoma, Lymphoma, Gastrintestinal stromal tumor.
12 th wk	Viral hepatitis, alcoholic liver diseases	Acute and Chronic viral hepatitis slides, alcoholic liver diseases slides and discussion
	Chronic liver diseases- Cirrhosis.	Cirrhosis slides and poerpoint presentation with discussion
13 th wk	Neoplastic diseases of the liver	Adenoma of the liver, Hepatocellular carcinoma, metastatic carcinoma.
	Disease of gallbladder and biliary tracts	
14 th wk	Non neoplastic and neoplastic pancreatic diseases	Pancreatitis, Pancreatic adenocarcinoma, Islet cell tumor, insulinoma slides and discussion..
	Diseases of small intestine	
15 th wk	Non neoplastic diseases of large intestine	Colonic polyp slides and discussion with power point presentation.
	Neoplastic diseases of large intestine.	Colonic adenocarcinoma and lymphoma slides and power point presentation

Part II: Second (systemic pathology) course (2) unit theory and (1) unit practical)

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

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pathology II	45 hours	014212	014211	

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

No. of weeks	Theory Lectures Topics 2 Hours per weeks	Practical Sessions Topics 2 Hours per weeks
1 st .week	Pathology of male genital tract -testicular atrophy, testicular tumors(seminoma, yolk sac tumor)	Slides – glomerular renal diseases -Minimal change glomerulonephritis, membranous glomerulonephritis
	prostatic hyperplasia, prostatic adenocarcinoma. bladder disease	- focal glomerulosclerosis, post infectious glomerulonephritis
2 nd .week	Pathology of glomerular disease. -Minimal change glomerulonephritis, membranous glomerulonephritis - focal glomerulosclerosis, post infectious	Slides - renal tubules, interstitium, - Polycystic kidney diseases -Types of pyelonephritis

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

	<p>glomerulonephritis Pathology of renal tubules, interstitium - Polycystic kidney diseases -Types of pyelonephritis</p>	
	<p>prostatic hyperplasia, prostatic adenocarcinoma.</p>	
3rd.week	<p>bladder disease</p>	<p>Slides of renal tumors and bladder pathology -Renal cell carcinoma, - cystitis and bladder tumors</p>
	<p>Pathology of renal tumors and -Renal cell carcinoma, - cystitis and bladder tumors</p>	
4th.week	<p>Pathology of female genital tract Cervical and uterine</p>	<p>Slides- male genital tract -testicular atrophy,</p>

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

	diseases.	testicular tumors(seminoma, yolk sac tumor)
	cervicitis, intraepithelial neoplasia, cervical carcinoma -endometriosis, endometrial hyperplasia, and endometrial tumors	- prostatic hyperplasia, prostatic adenocarcinoma
5th.week	Placental and ovarian diseases - polycytic ovary, ovarian tumors	Slides-female Genital tract, cervical pathology cervicitis, intraepithelial
	Disease of the placenta choriocarcinoma,	neoplasia, cervical carcinoma
6th.week	Pathology of breast Benign tumor - mastitis, duct ectasia,	Slides of endometrial diseases endometriosis, endometrial

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

	fibroadenoma -fibrocystic changes, adenosis, intraductal papilloma	hyperplasia, and endometrial tumors
7th.week	Pathology of breast Benign breast lesion	Slides of ovarian tumors Serous cyst , mucinous cyst, papillary serous cystadenocarcinoma, teratoma
	-Ductal carcinoma insitu (comedo, papillary), lobular carcinoma insitu Invasive ductal and lobular carcinoma carcinoma	
8th.week	Pathology of thyroid glands Hyperthyroidism, Hypothyroidism,	Slides of placental diseases - choriocarcinoma, hydatiform mole
	Multinodular goitre, Ridles thyroiditis, Graves disease,	

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

	Hashimotos thyroiditis	
9 th .week	Thyroid Tumor Follicular adenoma Follicular carcinoma	Slides-Breast - mastitis, duct ectasia, fibroadenoma -fibrocystic changes, adenosis, intraductal papilloma
	Papillary carcinoma Medullary carcinoma Anaplastic carcinoma	
10 th .week	Pathology of pituitary glands -hyperfunction	Slides- of breast - Ductal carcinoma insitu (comedo, papillary), lobular carcinoma insitu Invasive ductal and lobular carcinoma carcinoma .
	-hypofunction -pituitary adenoma	
11 th .week	Pathology of	Slides-of thyroid

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

	adrenal gland Cushing syndrome Addison's diseases Adrenal tumors	diseases Multinodular goitre, Ridles thyroiditis, Graves disease, Hashimotos thyroiditis
12th.week	Pathology of parathyroid gland Hyperparathyrodism Hypoparathyroidism Parathyroid adenoma Parathyroid carcinoma	Slides of thyroid gland Follicular adenoma Follicular carcinoma Papillary carcinpma Medullary carcinoma Anaplastic carcinom
13th.week	Diseases of the joints Disease of and skin Osteoporosis, Bone tumors Sequamous cell carcinoma, basal	Slides- of parathyroid and pituitary disorders Parathyroid adenoma Parathyroid carcinoma Adrenal tumors

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع

	cell carcinoma Melanoma	
14th.week	Pathology of peripheral and central nervous system	Slides- bone, skin Osteoporosis, Bone tumors Sequamous cell carcinoma, basal cell carcinoma Melanoma
15th.week	Skin pathology	Slides of lymphomas Hodgkins lymphoma -lymphocytic predominance -nodular seclerosis -lymphocytic depleted Non Hodgkin lymphoma

كلية طب بابل مقرر الأمراض للمستوى الدراسي الرابع

Part I: First (systemic pathology) course (2) unit theory and (1) unit practical

الجزء الأول: اولاً (مقرر الأمراض الخاص ١)، ٢ وحدة نظري و ١ وحدة عملي.

اسم المقرر	الساعات المعتمدة	رقم المقرر	المتطلب السابق	المتطلب المتزامن
امراض ١	٣ ساعة	٠١٤٢١١	٠١٣٢١٠	

اسم المقرر	الساعات المعتمدة	رقم المقرر	المتطلب السابق	المتطلب المتزامن
امراض ٢	٣ ساعة	٠١٤٢١٢	٠١٤٢١١	

وصف المقرر:

المقرر التعليمي لمادة الأمراض الخاص بالأجهزة يكتسب من خلاله الطالب القابلية على فهم مختلف انواع الامراض من حيث الية حدوث المرض والتغيرات المصاحبة للمرض على مستوى العضو ، الخلية والعضيات داخل الخلية بالإضافة الى التغيرات في الوظائف والمضاعفات المصاحبة للمرض.

أهداف المقرر:

١. تمكين الطلبة من فهم الية نشوء وتطور المرض والتغيرات المصاحبة لها في مختلف اعضاء الجسم.
 ٢. تشجيع الطالب على إمكانية التعلم الذاتي في مادة الأمراض الجهازية المختلفة والاستمرار بتطور مستواه العلمي مدى الحياة.
- مواد المقرر بواقع ساعتان معتمدة نظري وساعة واحدة معتمدة عملي.

كلية طب بابل مقرر الأمراض
للمستوى الدراسي الرابع
