

وصف المقرر Course Syllabus

Faculty of Medicine						الكلية
المستوى الثالث	المستوى الدراسي	Department of Microbiology, Pathology, and forensic Medicine			القسم	
No	متطلب سابق	0111501304	الرمز	Genitourinary System (GUS)	اسم المقرر	
1	عملي	6	نظري	7	الساعات المعتمدة	
Hafez@hu.edu.jo			الإيميل	Hafez Al-momani	منسق المقرر	
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In campus Electronic	شكل الحضور	Theoretical lectures: AL Harith auditorium Practical Labs: Labs of anatomy, physiology, pathology, and microbiology, Ibn Sina Complex	المكان	Sunday-Thursday, 9:30 am-2:00 pm	وقت المحاضرة	
30/10/2023	تاريخ التعديل	30/10/2023	تاريخ الإعداد	Second semester 2022/2023	الفصل الدراسي	

وصف المقرر المختصر

The Genitourinary System (GUS) is an intensive multidisciplinary 6 credit hour course designed to provide students the basic sciences and clinical framework for topics in genitourinary system. The course is designed to assist the student in integrating the different disciplines' lectures and practical's in each system including anatomy, physiology, pathology, microbiology, pharmacology, biochemistry, and community medicine.

أهداف المقرر

1. Overview of parts & functions of urinary system.
2. Understand the location, shape and surfaces of kidney.
3. Describe the coverings of kidney its significance, and the relations of both kidneys.
4. Understand the gross structure of a coronal section of the kidney.
5. describe the blood supply, nerves and lymphatic drainage of Kidney
6. Define Prerenal, Renal, & Post Renal Azotemia & Uremia.
7. Defined the 8 Major Syndromes of renal diseases, according to
8. their clinical manifestations
9. Describe the Normal Glomerulus (G).
10. Classify Glomerular Diseases: [Primary, Secondary to Systemic
11. Diseases, & Hereditary Disorders].
12. Describe the Pathogenesis, Light, Electron,&
13. Immunofluorescence Microscopic Changes & Fate of:
14. Glomerulonephritis (GN) Caused by Circulating Immune Complexes,
15. (II) Anti-Glomerular Basement Membrane Antibody GN, &
16. (III) Antibodies reacting in situ with previously "planted" nonglomerular Ags
17. . List kidney functions
18. Describe the functions of the nephron.
19. Explain the process of renal blood flow and glomerular filtration.
20. Illustrate the glomerular membrane, and the dynamics of
21. glomerular filtration.
22. List the factors that affect glomerular filtration rate (GFR).
23. . Understand the role of E. coli and other gram negative
24. bacteria as well as gram positive organisms in UTI.
25. 2. The laboratory diagnosis and susceptibility of these
26. microorganisms to antibiotics.
27. Define STD
28. Discuss the epidemiological importance of STD
29. Classify the causative pathogens Methods of Transmission
30. Describe different types of STD regarding clinical presentation and treatment

مخرجات التعلم CILOs

المعرفة

<p>A1. Knowledge and understanding of the structures and functions of the GUS system and how it responds to changing metabolic needs of the body, organs and tissues, revealing the relevance of such knowledge to clinical practice.</p> <p>A2. Knowledge and understanding of the origin and associated risk factors of the most common UGS diseases.</p> <p>A3. Knowledge and prevention of common infectious diseases associated with UGS.</p>
المهارات
<p>B1. Describe the clinical and anatomical divisions of UGS.</p> <p>B3. Identify the radiological appearance of the GUS.</p> <p>B4. Interpret clinical conditions correlated with their laboratory investigations.</p> <p>B6. Interpret results of urine analysis function tests.</p> <p>B11. Be familiar with the procedure of Ziehl-Neelsen stain.</p> <p>B12. Be able to visualize and observe STIs under the microscope.</p> <p>B13. Prepare slides from the urine for staining.</p> <p>B14. Be able to identify the morphologic features of the most common GUS under the microscope.</p>
الكفايات
<p>C1. Observe, identify, and predict health problems based on previous experience and make decisions based on evidence rather than opinion.</p> <p>C2. Draw conclusions about the collected data (inference).</p> <p>C3. Maintain good communication habits, such as active listening and respect, and be able to explain treatment plans and address any concerns the patients may have.</p> <p>C4. Improve problem-solving skills.</p> <p>C5. Demonstrate knowledge of resources and tools available to support lifelong learning.</p>
طرق التعليم والتعلم
<ul style="list-style-type: none"> ● PowerPoint lectures and active classroom-based discussion. ● Live Online delivered lectures. ● Relevant papers and reading documentaries. ● E-learning resources: e-reading assignments ● Practical laboratory sessions.
أدوات التقييم
- Theoretical and practical Exams and quizzes
محتوى المقرر

أدوات التقييم	طرق التعليم والتعلم	المواضيع	المخرجات	ساعات	أسبوع
Discussion and quizzes	Lectures and Labs	<ol style="list-style-type: none"> 2. Overview of parts & functions of urinary system. 3. Understand the location, shape and surfaces of kidney. 4. Describe the coverings of kidney its significance, and the relations of both kidneys. 5. Understand the gross structure of a coronal section of the kidney. 6. describe the blood supply, nerves and lymphatic drainage of Kidney 7. Defined the 8 Major Syndromes of renal diseases, according to 8. their clinical manifestations 9. Describe the Normal Glomerulus (G). 10. Classify Glomerular Diseases: [Primary, Secondary to Systemic 11. Diseases, & Hereditary Disorders]. 12. Describe the Pathogenesis, Light, Electron,& 13. Immunofluorescence Microscopic Changes & Fate of: 14. Glomerulonephritis (GN) Caused by Circulating Immune Complexes, 15. . List kidney functions 16. Describe the functions of the nephron. 17. Explain the process of renal blood flow and glomerular filtration. 18. Illustrate the glomerular membrane, and the dynamics of 19. glomerular filtration. 20. List the factors that affect glomerular filtration rate (GFR). 21. . Understand the role of E. coli and other gram negative 22. bacteria as well as gram positive organisms in UTI. 23. microorganisms to antibiotics. 24. Define STD 25. Discuss the epidemiological importance of STD 	A1-3, B1-4, C1-5	16	.1

		26. Classify the causative pathogens Methods of Transmission 27. Describe different types of STD regarding clinical presentation and treatment			
Discussion and quizzes	Lectures and Labs	1. Perform with precision different techniques of diagnosis urogenital disease 2. Select the proper drug(s) for the proper common clinical situations in proper dosage (bacterial infections, STIs)	A1-3, B4-10, B14, C1-5	20	.28
Discussion and quizzes	Lectures and Labs	1. Demonstrate respect and work effectively as a member or a leader of an interdisciplinary team. 2. Establish good relations with colleagues to share all types of inter- professional activities including shared learning. 3. explain clearly therapeutic plan for different clinical situations specified in 2.2	A1-3, B1, B4-14, C1-5	20	.29
Midterm, practical, and final exams	Lectures and Labs	1. Communicate clearly, sensitively, and effectively with colleagues from a variety of health and social care professions. 2. Establish good relations with other health care professionals regardless their degrees or rank. 3. Communicate effectively with individuals regardless of their social, cultural, ethnic backgrounds, or their disabilities. 4. Cope up with difficult situations as breaking news. 5. Respect superiors, colleagues, and all members of the health profession	A3, B2-3, C1-5	4	.30
		Exams			.6
		Exams			.7

المكونات

<ul style="list-style-type: none"> - Grey's anatomy for students, 4th edition - Principles of Human Anatomy, 14th edition - Before we are birth, 10th edition - Richard S Snell, 5th edition - Basics of Histology, 12th edition - Guyton and Hall Textbook of Medical Physiology, 14th Edition, Copyright © 2021 by Elsevier, Inc. -Harper's Illustrated Biochemistry (McGraw-Hill Education / Medical; 31st edition (May 28, 2018). ISBN-13: 978-1259837937, ISBN-10: 1259837939. - Medical Microbiology. An Introduction to Infectious Diseases, latest edition - Review of Medical Microbiology and Immunology, Seventeenth Edition 17th Edition - Robbins Basic Pathology, Elsevier Inc:10th edition, (2018). ISBN: 978-0-323-35317-5. -Illustrated Reviews Pharmacology, latest edition - Basic and Clinical Pharmacology 15th edition - Supplementary Departmental Handouts 	الكتاب
	المراجع
<ul style="list-style-type: none"> - Ganong's Review of Medical Physiology, 26th Edition, Copyright © 2019 by McGraw-Hill Education - Textbook of Biochemistry with Clinical Correlations (John Wiley & Sons; 978-ISBN-13: ,0470281731 7th edition (January 19, 2010). ISBN-10: 0470281734 	موصى به للقراءة
<ul style="list-style-type: none"> - Suggested electronic sites and illustrating videos 	مادة إلكترونية
	مواقع أخرى

خطة تقييم المقرر							
المخرجات						الدرجة	أدوات التقييم
			C1-C5	B1-B14	A1-A3		
			X	X	X	40	الامتحان الأول (المنتصف)
						-	الامتحان الثاني (إذا توفر)

						40	الامتحان النهائي
							أعمال الفصل
			X	X	X	-	الوظائف/ الواجبات
						-	حالات للدراسة
						-	المناقشة والتفاعل
						-	انشطة جماعية
			X	X	X	20	امتحانات مختبرات ووظائف
						-	عروض تقديمية
						-	امتحانات قصيرة
						-	أخرى
						100	المجموع