

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	General Pathology
Course number	MDCN2315
Faculty	
Department	
Course type	College Needs
Course level	2
Credit hours (theoretical)	3
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1	- Understand the definition and application of pathology, including its role in the diagnosis, treatment, and prevention of diseases.
2	- Develop knowledge of cellular and molecular pathology, including the pathogenesis of cell injury, inflammation, and repair.
3	- Understand the ethical and social considerations surrounding the diagnosis, treatment, and prevention of diseases and the role of pathology in public health.
4	- Study of the pathogenesis of diseases and the corresponding microscopic and gross changes to tissues
5	- Understand the role of genetics, immune system, and environmental factors in the development and progression of diseases.
6	- Understand the role of genetics, immune system, and environmental factors in the development and progression of diseases.

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * An understanding of the basic principles of pathology, including cellular and molecular mechanisms of disease. * Familiarity with the general pathological processes that contribute to disease development and progression ,including the morphological and functional changes that occur in different organs in response to diseases. * The ability to interpret pathological findings under microscope and correlate them with clinical manifestations of disease. * Understanding of modern diagnostic techniques used to identify and characterize various diseases. * Understanding of the role of genetics, immune system, and environmental factors in the development and progression of diseases.
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Course Contents

- 1 - Introduction
- 2 - Inflammation and healing
- 3 - Cell Death
- 4 - Disturbance in cell metabolism
- 5 - Infections: Bacterial , viral , parasitic diseases
- 6 - Disturbance in cell growth
- 7 - Circulatory disturbances
- 8 - Neoplasia

Teaching and Learning Methods

- 1 - Lectures
- 2 - Practical pathological slides examination under microscope in labs

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
Mid-term exam		30
Final exam		40
Labs		20
Assignment		10

Books and References

Essential books	Robbins basic pathology
Recommended books	1. Robbins basic pathology. ISBN-13: 978-0323353175. Vinay Kumar, Kumar, Vinay; Abbas, Abul K; Aster, Jon C. Elsevier Health Sciences, 2017 2. General and Systemic Pathology. (5th Edition). Underwood, J.C.E and Cross, S.S. London. Churchill Livingstone, 2009. 3. Wheater's Functional Histology: A Text and Colour Atlas (5th Edition). Yong, B., Health, J.W., Lowe, J.S. and Stevens, A. Elsevier: Churchill Livingstone, 2006

Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Introduction	week #1	1,2			
Inflammation and healing	week # 2,3	1,2,3			
Cell Death	week # 4 , 5	1,2,3,4			
Disturbance in cell metabolism	week # 6,7	1,2,3,4			
Infections: Bacterial , viral , parasitic diseases	week #8	1,2,3,4,5			
Disturbance in cell growth	week #9	1,2,3,4			
Circulatory disturbances	week # 10, 11	1,2,3,4			
Neoplasia	week # 12,13,14	1,2,3,4,5			