

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Clinical Immunology
Course number	MEDI3260
Faculty	
Department	
Course type	College Needs
Course level	3
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

- 1 - This course entails the study of clinical immunology; the abnormal function of the immune system, immunopathogenesis of different medical diseases of different body systems and immunodiagnosis: clinical picture and immunotherapy used for treatment of these diseases

Intended Learning Outcomes

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| Knowledge and Understanding | <ul style="list-style-type: none"> * - To enable the students to understand the abnormal immune responses and its causes * - To understand the different mechanisms of immunological disorders * - To understand the clinical manifestations of immunological disorders * - To understand the methods of immunodiagnosis * - To understand the methods of immunotherapy of different diseases |
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Course Contents

- 1 - Immune regulation and infections
- 2 - Immunodeficiency
- 3 - Autoimmunity and autoimmune rheumatic diseases
- 4 - Skin diseases, allergy and anaphylaxis
- 5 - Cardiac diseases
- 6 - Chest diseases 1
- 7 - Chest diseases 2
- 8 - Gastrointestinal and liver diseases
- 9 - Tumor immunity
- 10 - Immunological aspect of endocrine and nervous diseases
- 11 - Immunological aspects of renal diseases
- 12 - Immunodiagnosis
- 13 - Immune pharmacotherapy 1
- 14 - Immune pharmacotherapy 2

Teaching and Learning Methods

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| 1 - Power point slide presentation
2 - Discussion |
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Teaching and Learning Methods for the Disabled Students

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| 1 - Power point slide presentation |
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Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
First midterm examination	one hour	25%
Second midterm examination	one hour	25%
Final examination	Two hours	50%

Books and References

Course note	Essentials of clinical immunology. Helen Chapel et al, 6th ed, Wely Blackwell, USA, 2016 Lippincotts Illustrated Review: Immunology, 2nd ed. R. A. Harvey, et, al, Philadelphia, USA, 2013
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Knowledge and Skills Matrix

Main Course Contents	Study Week	Knowledge and Understanding	Intellectual Skills	Professional Skills	General Skill
Immune regulation and infections	1	To understand the different immune system regulation and different infections; bacterial, viral HIV, and parasitic infections, their clinical picture and management			
Immunodeficiency	2	To understand congenital and acquired immunodeficiency disorders, clinical presentations and management			
Autoimmunity and autoimmune rheumatic diseases	3	To understand the concept of autoimmunity, different autoimmune diseases, clinical pictures and management			
Skin diseases, allergy and anaphylaxis	4	To understand different allergic skin diseases clinical pictures and managements			
Cardiac diseases	5	To understand cardiac diseases immunological aspects, clinical pictures and managements			
Chest diseases 1	6	To understand immunological aspects of chest diseases, causes, clinical picture and managements			

Chest diseases 2	7	To understand immunological aspect of chest diseases, clinical picture and management			
Gastrointestinal and liver diseases	8	To understand immunological aspects of chest diseases, clinical pictures and managements			
Tumor immunity	9	To understand immunological aspects of tumors, clinical picture and management			
Immunological aspect of endocrine and nervous diseases	10	To understand immunological aspects of endocrine and nervous diseases, clinical picture and management			
Immunological aspects of renal diseases	11	To understand immunological aspects of renal diseases, clinical picture and management			
Immunodiagnosis	12	To understand immunodiagnostic methods in different immunological disorders			
Immune pharmacotherapy 1	13	To understand different methods of immunotherapy in different immunological disorders			
Immune pharmacotherapy 2	14	To understand different methods of immunotherapy in different immunological disorders			

