School of Medicine

Department of immunology

Course Plan

Students	Lesson details
Medical students	**Course title: Medical immunology**
Educational goals	
Understanding the human immune system, diseases related to the immune system, immunity and vaccination, related serologic tests	

References:

1. Cellular and Molecular Immunology; By: A.K. Abbas, A.H. Lichtman and J. S. Pober, 2022, W.B. Saunders Company

2. Immunology; By: I. Roitt, J. Brostoff and D.Male, 2016, Mosby publication

Evaluation method (Exam)

Final Exam		class activity
Explanatory questions	**Multiple-choice test**	

Presentation Schedule

	Day	Time	Title	
1	Sunday	10-12 A.M	History, introduction and review of immunology	Dr. Jafari
2	Sunday	10-12 A.M	Innate and acquired immunity, cells of the immune system	Dr. Jafari
3	Sunday	10-12 A.M	Immune system organs	Dr. Athari
4	Sunday	10-12 A.M	Structure and function of antibodies and antigens	Dr. Jafari
5	Sunday	10-12 A.M	Antigen and Antibody Reactions	Dr. Jafari
6	Sunday	10-12 A.M	Function and biology of cytokines and therapeutic applications (1)	Dr. Athari
7	Sunday	10-12 A.M	Complement system	Dr. Jafari
8	Sunday	10-12 A.M	Tissue Compatibility Complex (MHC)	Dr. Athari
9	Sunday	10-12 A.M	Processing and antigen presentation	Dr. Athari
10	Sunday	10-12 A.M	Humoral immune responses and activation of B lymphocytes	Dr. Athari
11	Sunday	10-12 A.M	Cellular immune responses and activation of T lymphocytes	Dr. Athari
12	Sunday	10-12 A.M	Mechanisms of Immunological Tolerance	Dr. Athari
13	Sunday	10-12 A.M	Mucosal Immunology	Dr. Jafari
14	Sunday	10-12 A.M	Immunological Inflammation	Dr. Jafari
15	Sunday	10-12 A.M	Principles of Clinical Serology Test Interpretation 1	Dr. Jafari
16	Sunday	10-12 A.M	Principles of Clinical Serology Test Interpretation 2	Dr. Jafari
17	Sunday	10-12 A.M	Vaccines and vaccinations	Dr. Athari