

01 course on Basic Immunology for clinicians
(3.00- 5.00 PM on week days and 11.00-1.00 PM on Saturdays)
February 8-February 13, 2021

Monday The players in an immune response

Lymphocytes, their subsets, macrophages, cells of innate immune response, cytokines and chemokines

Tuesday How is the immune response generated?

Antigen presentation, MHC-TCR interaction, antibody and cell mediated effector response

Wednesday How is tolerance maintained and what goes wrong in autoimmune diseases?

Generation of tolerance in T and B cells to self antigens, Peripheral tolerance, Breakage of self tolerance and autoimmunity

**Thursday What is the clinical relevance of commonly used autoantibodies?
How do immunosuppressive drugs act?**

Commonly used autoantibodies for diagnosis, follow-up and prognosis, when to order them and how to interpret the results. Mechanism of action of various immunosuppressive drugs

Friday How and Why does the body reject transplanted tissue and how do you induce tolerance to the graft?

Allo-recognition, types of rejection, immune- mechanisms in a stable graft, methods to induce tolerance to the graft in clinic

Saturday How do tumors evade immune response and what can be done to counteract this response?

Mechanisms used by tumors to evade the host immune response, mechanisms of metastasis, methods to boost immunity to tumors, clinical utility of such methods