**MONOCLONAL ANTIBODIES**

1. Antibodies. Types of antibodies.
2. Presence and production of antibodies
3. Structure of antibody
4. Functions of different isotypes of antibodies
5. General characteristics of antigen
6. Production of monoclonal antibodies
7. Practical application of monoclonal antibodies. Identification of phenotypic markers.
8. Practical application of monoclonal antibodies. Immunodiagnosis and Tumor identification
9. Practical application of monoclonal antibodies. Therapy.
10. Limitations of monoclonal antibodies
11. Chimeric antibody
12. Humanized antibodies