

PHYSIOTHERAPEUTIST 2020

LECTURES (for Dentistry + Physio)

1. 17. 02. – 21. 02. 2020 Introduction: Histology – definition, classification and significance. Cytology I: The cell – definition and general characteristics. Concept of the unit membrane.
2. 24. 02. – 28. 02. 2020 Cytology II: Plasma membrane. Cell surfaces and intercellular junctions. Cell cycle, cell division and cell differentiation.
3. 02. 03. – 06. 03. 2020 General embryology I: Human gametes. Meiosis: spermatogenesis and oogenesis. Sperm capacitation and acrosome reaction. Fertilization and cleavage. Morula and blastocyst.
4. 09. 03. – 13. 03. 2020 General embryology II: Implantation. Differentiation of trophoblast and embryoblast during implantation. Development of fetal membranes: amnion, chorion. Development of placenta. Intraembryonic mesoderm and notochord.
5. 16. 03. – 20. 03. 2020 General embryology III: Stages of human embryo development (Carnegi).
6. 23. 03. – 27. 03. 2020 General histology: Tissues – definition, origin and classification. Connective tissues. Connective tissue proper.
7. 30. 03. – 03. 04. 2020 Connective supporting tissues – cartilage and bone. Development of bone tissue (ossification).
8. 06. 04. – 10. 04. 2020 Epithelial tissue. Covering and glandular epithelia. Absorptive, respiratory, and sensory epithelia.
9. 13. 04. – 17. 04. 2020 Nervous tissue. Neuron and its processes, classification of neurons. Synapse. Neuroglial cells and sheaths of nerve fibers. Propagation of nerve impulses.
10. 20. 04. – 24. 04. 2020 Muscle tissue – smooth muscle tissue, skeletal muscle tissue, and cardiac muscle tissue. Myofibrils and mechanism of muscle contraction.
11. 27. 04. – 01. 05. 2020 Blood cell morphology: Erythrocytes, leukocytes and thrombocytes. Differential white cell count. Prenatal and postnatal hematopoiesis. Erythropoiesis, granulopoiesis, thrombopoiesis.
12. 04. 05. – 08. 05. 2020 Microscopic anatomy and embryology. Microscopic structure of the heart and blood vessels.
13. 11. 05. – 15. 05. 2020 Development of the heart, septation of the heart tube. Primitive blood circulation in the embryo. Fetal blood circulation.
14. 18. 05. – 22. 05. 2020
15. 25. 05. – 29. 05. 2020

Embryological topic in the lectures, needn't be visited.