

3. Oral Histology 2th

No.	Subjects (Oral Histology)	Hours
1.	<ul style="list-style-type: none">- Origin of Human Tissue.- Formation of the neural tube.- Formation of neural crest cell.- Derivatives of germ layers.	1
2.	<p>Embryology of Head, Face, and Oral cavity.</p> <ul style="list-style-type: none">- Development of pharyngeal arches.- Development of pharyngeal pouches.- Development of pharyngeal clefts.- Development of the Oral cavity.- Development of the nose.	2
3.	<ul style="list-style-type: none">- Development of Secondary Palate.- Development of Tongue.- Congenital Defects.- Various types of clefts.	1
4.	<p>Development and growth of teeth.</p> <ul style="list-style-type: none">-Bell stage .-Dental lamina.	1
5.	<p>The Enamel Structures</p> <ul style="list-style-type: none">-General properties of enamel.- Histological picture of the enamel.- Incremental lines of Enamel.- Defect structures in the Enamel.	2
6.	<p>Amelogenesis</p> <ul style="list-style-type: none">- Electron Microscopy of Amelogenesis.- Amelogenesis process.	1
7.	<p>The Dentin</p> <ul style="list-style-type: none">- Physical properties.- Chemical composition of Dentin.- Histological picture of Dentin.- Under microscope other Dentin structures can be note.- Innervation of Dentin.- Types of Dentin.	2

8.	Dentinogenesis. - Formation of organic matrix. - Mineralization. - Dentin Sensitivity.	1
9.	Dental pulp - Apical foramina. -Accessory canals. - Histological picture of the Pulp. - Vascularity of Pulp. - Nerves of Pulp. - Functions of the Pulp. - Regressive changes in the Pulp in aging. - The Pulp Denticales.	2
10.	Root Formation. - Functions of Hertwig's epithelial root sheath.	1
11.	Cementum. - Physical properties. - Chemical properties. - Cementogenesis. - Types of cementum. - Collagen fibers of cementum. - The types of cementum. - Cementodentinal junction. - Hypercementosis.	1
12.	Periodontal Ligament. - Periodontium. - Development of Periodontal Ligament. - Cells of Periodontal Ligament. - Extracellular substance. - Structures present in Periodontal Ligament. - Blood vessels. - Lymphatic. - Nerves. - Cementicles. - Functions of Periodontal Ligament.	2
13.	Alveolar Bone Process. - Development of Alveolar Bone Process.	2

	<ul style="list-style-type: none"> -Structures of Alveolar Bone Process. - Alveolar bone proper. - The supporting alveolar bone. - Histological structures of Alveolar Bone Process. - Bone Remodeling. - Bone Healing. - Incremental lines of Alveolar Bone Process. 	
14.	<p>Oral Mucous Membrane.</p> <ul style="list-style-type: none"> - Functions of oral mucous membrane. - Types of oral mucosa. -Histological appearance of oral mucous membrane. - Basal Lamina. - Non-Keratinocyt cells. 	2
15.	<p>Keratinized oral mucosa</p> <ul style="list-style-type: none"> - Hard palate. - Gingiva. - The mucogingival junction. - Specialized mucosa. - taste buds. 	2
16.	<p>Junctional epithelium .</p> <ul style="list-style-type: none"> - Histogenesis of Junctional epithelium . - Histological appearance of Junctional epithelium . - Gingival Sulcus. - Col. -Shift of Junctional epithelium . 	1
17.	<p>Physiological tooth movement</p> <ul style="list-style-type: none"> - Pre-eruptive tooth movement. - Eruptive tooth movement. - Post eruptive tooth movement. - Mechanism of tooth movement. -Shedding of Deciduous teeth. - Clinical consideration. - Submerged Deciduous teeth. 	2
18.	<p>Salivary Glands.</p> <ul style="list-style-type: none"> -The histological Picture of Salivary Glands. - Parenchyma. - Connective tissue. 	1

	<ul style="list-style-type: none"> - The major salivary glands. - The minor salivary glands. - Functions of Saliva. 	
19.	<p>Tempromandibular Joint (TMJ).</p> <ul style="list-style-type: none"> - Differences of TMJ from other synovial joint. - Development of TMJ. - Anatomical remarks of TMJ. - Histological appearance of TMJ. - Clinical Consideration. 	1
20.	<p>Maxillary Sinus.</p> <ul style="list-style-type: none"> - Developmental aspect. - Structure of maxillary sinus. -Microscopical features. - Functional importance. 	1
21.	<p>Histochemistry of tissue.</p> <ul style="list-style-type: none"> - Basic Principles of Histochemistry. - Application. - The goal of Histochemistry. - Some important biologic substances & classic methods for detecting them. - Enzyme Histochemistry. 	1