

## Faculty of Oral & Dental Medicine

### Oral Histology

#### Information :

**Course Code :** HPT 222

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Oral & Dental Medicine

#### Instructor Information :

Title	Name	Office hours
Professor	AMANY AHMED RABEE MOHAMED OSMAN	7
Teaching Assistant	Esraa Belal Mohamed Hamed Ramadan	
Teaching Assistant	Areeg Fekry Mohamed Nabih Elgharbawy	
Teaching Assistant	Merna Essam Abdelmalek Youssef	

#### Area Of Study :

- To keep pace with recent advances in oral biology.
- To provide an expanded knowledge about histology, embryology and physiology of oral and dental tissues.
- To serve as a basis for understanding the clinical courses such as oral pathology, oral surgery and oral medicine etc.
- To enable the development and application of appropriate professional attitude as well as communication and practical skills of the students.

#### Description :

peridontal ligament and its decalcified section , alveolar process and its decalcified section , salivary gland oral mucous membrane ,maxillary sinus and their histological sections . embryology and temporomandibular joint .

#### Course outcomes :

##### **a.Knowledge and Understanding: :**

1 -	Define the different oral and para oral structures..
2 -	Describe embryology of oral and para oral tissues.
3 -	Identify and draw both hard and soft oral tissues..
4 -	Describe the structure and the function of different oral and para oral tissues.
5 -	Differentiate between different hard dental and soft oral tissues
6 -	Explain the clinical significance associated with certain oral and para oral structures.
7 -	Describe the histological age changes of oral and para oral tissues

##### **b.Intellectual Skills: :**

1 -	Differentiate between the different oral and para oral tissues..
2 -	Distinguish any abnormalities that might affect the normal oral and para oral tissues

**c. Professional and Practical Skills: :**

1 -	Use the light microscope properly.	
2 -	Identify the different oral tissues using the light microscope.	
3 -	Draw the histological structure of oral and para oral tissues.	
4 -	Understand the technical steps for preparation of tooth ground and as well as the main histological and histochemical stains..	decalcified microscopic sections

**d. General and Transferable Skills: :**

1 -	Communicate effectively with colleagues , staff members and helping personnel.
2 -	Demonstrate appropriate professional attitude
3 -	Behavior in different situations

**Course Topic And Contents :**

Topic	No. of hours	Lecture	Tutorial / Practical
Embryology	16		
Periodontal ligament	8		
Bone and alveolar process	9		
Oral mucosa	16		
Salivary glands	15		
Maxillary sinus	4		
Temporomandibular joint	4		

**Teaching And Learning Methodologies :**

Lectures
Practical and Small group sessions: a. Each practical session's preceded by slide tutorial demonstration, description and drawing of oral tissues and class discussions. b. Demonstration for tissue identification using light microscope in small groups.
Student draw in their practical books under supervision of the responsible staff members and helping personnel in small subgroups

**Course Assessment :**

Methods of assessment	Relative weight %	Week No	Assess What
1st Mid-term Examination	15.00		knowledge and understanding
2nd Mid-term Examination	15.00		knowledge and understanding
Final written Examination	25.00		
Oral Examination	10.00		knowledge and understanding and attitude
Practical Examination	15.00		assess practical skills & intellectual skills & general skills

**Course Notes :**

- "All lectures are available for students from the faculty as a soft copy.
- "Textbooks : Mary Bath-Balogh, Margaret J. Fehrenbach, Dental Embryology Histology and anatomy 2th Edition ,2006
- "Websites related to the study subject
- "Overhead projectors, slides and computer presentations used during teaching