

Faculty of Oral & Dental Medicine

Oral Histology

Information :

Course Code : HPT 221

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 | 6 |
| Professor | Mona Fathy Abdel Maksoud Eldeeb | 13 |
| Associate Professor | RANEEM FAROUK MOHAMED ADEEB OBEID | 5 |
| Associate Professor | RANEEM FAROUK MOHAMED ADEEB OBEID | 5 |
| Lecturer | Nehad Mostafa Abd El Monsif Mostafa | 5 |
| Lecturer | Nehad Mostafa Abd El Monsif Mostafa | 5 |
| Assistant Lecturer | Aya Mohamed Reyad Ismaeil AbuHussein | 2 |
| Assistant Lecturer | Esraa Gamal Hassan Mohamed | 2 |
| Assistant Lecturer | Esraa Gamal Hassan Mohamed | 2 |
| Teaching Assistant | Esraa El Sayed Abdelaziz Abdelrahman | |
| Teaching Assistant | Amira Ahmed Elsaywy Elgendy | |

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 :

tooth development (bud stage, cap stage, bell stage, appositional stage.)
Enamel, dentin, cementum and pulp
longitudinal and transverse section of enamel, dentin, cementum.)
decalcified section of the pulp

Course outcomes :

a.Knowledge and Understanding: :

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| 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.. |

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| 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: :

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| 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: :

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| 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 decalcified microscopic sections as well as the main histological and histochemical stains.. |

d. General and Transferable Skills: :

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| 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 |
|-------------------|--------------|---------|----------------------|
| Tooth development | 15 | | |
| Enamel | 12 | | |
| Dentin | 11 | | |
| Cementum | 8 | | |
| Pulp | 8 | | |
| Shedding | 4 | | |
| Eruption | 6 | | |

Teaching And Learning Methodologies :

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| Lectures. |
| Practical |
| Small group sessions |
| 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 | | assess knowledge and understanding |
| 2nd Mid-term Examination | 15.00 | | assess knowledge and understanding |
| Final written Examination | 25.00 | | |

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|-----------------------|-------|--|--|
| Oral Examination | 10.00 | | knowledge and understanding and attitude |
| Practical Examination | 15.00 | | assess practical skills & intellectual skills & general skills |
| Semester Work | 20.00 | | |

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