

Oral and fetal tissues

A subject specialized in oral and dental tissues only and the study of embryology.

Theoretical: It is concerned with the study of oral tissues and the structure of the tissue tooth, gums, tongue and others. And the study of the stages of formation of the body of the fetus from sperm and egg until birth, in addition to the study of birth abnormalities and genetic diseases

Practical: It studies healthy tissues explained theoretically under a microscope, and studies embryo growth images

Different Learning Methods in the Department of Dentistry

A- Auditory method: This method depends on communicating information in the form of sounds that are heard by the learner for analysis and storage.

B- Visual method: in which information is communicated by displaying color images, videos or any form of visual educational aids.

C- Reading method: It is one of the methods that depend on reading information to understand and store it.

D. Interdisciplinary professional education where dental students collaborate with other healthcare professionals, to promote a holistic approach to patient care.

Different evaluation methods for students in the Department of Dentistry

Daily tests with multiple-choice questions for subjects that require practical skills.

B- Daily exams with practical questions.

C- Semester and final exams.

D- Setting grades for the assigned homework .

H- Grades of participation of questions competing for the subjects of study.

G- Daily evaluation of the student's work in scientific laboratories and educational clinics.

Learning Outcomes for Dental Courses

Using health information technology in oral and dental health care effectively.

Apply appropriate professional, ethical and legal standards in the provision of patient care in accordance with health care rules and regulations.

Providing graduates with scientific knowledge and professional skills in the fields of oral and dental surgery, dental prosthesis, dental preservation,

orthodontics, pediatric dentistry, periodontal pathology and surrounding tissues, as well as community dentistry.

Knowledge of the principles of oral and dental health and understanding of the development, prevention and treatment of related diseases

Health promotion and disease prevention to serve the community.

Integrating basic and medical sciences into healthcare practice.

Develop decision-making and problem-solving skills in healthcare.

Evaluate the state of oral and dental health and the medical condition of the patient, request the necessary diagnostic analyzes, and interpret the results of various analyzes to reach the appropriate diagnosis.

Prepare a care plan for the prevention and treatment of diseases taking into account the needs of the patient.

Demonstrate competence in performing procedures safely in all aspects of dentistry and prevent injuries arising from treatment.

Providing graduates with theoretical knowledge and laboratory and clinical skills that increase the effectiveness of diagnosis.

Preparing dental graduates and training them to become distinguished in various fields of dentistry.

Lesson name and units

<i>Subject</i>	<i>1st Semester hours/week</i>		<i>2nd semester hours/week</i>		<i>Units</i>	<i>Code</i>
	<i>Theory</i>	<i>Practical</i>	<i>Theory</i>	<i>Practical</i>		
3. Oral Histology and Embryology علم الانسجه والاجنه	2	2	2	2	6	OHE212

1-Subject title	Oral histology and Embryology	
2-Number of credits	Theory:4	Laboratory:2
3-Number of contact hours	Theory:2 h/wk.	Laboratory:2h/wk
4-Subject time	Second year	

Theory sessions

Week No.	Title of the lectures	Hours
1	Embryogenesis: first week, ovulation, fertilization and implantation	2
2	2nd week, Bilaminar germ layer	2
3	3rd week trilaminar germ layer: gastrulation and neurulation	2
4	(Development of head and neck(pharyngeal arch,pouch & cleft	2

5	Development of face and anomalies	2
6	Development of tongue and anomalies	2
7	Development of palate and anomalies	2
8	Slide preparation	2
9	Tooth development and developmental disturbances of teeth	2
10	Dentinogenesis and dentin structure	2
11	Amelogenesis, Enamel structures	2
12	Clinical consideration for dentin and enamel	2
13	Dental Pulp	2
14	Cementum and clinical consideration	2
15	Root formation& Cementogenesis	2
16	Periodontal ligaments	2
17	Principles fiber of pdl and gingival fibers	2
18	Alveolar bone	2
19	Bone formation and resorption	2
20	Proteins involve in mineralization of bone and dentin	2
21	Oral mucosa and their types	2
22	Gingiva and dentogingival junction	2
23	Eruption of teeth	2
24	Shedding of teeth	2
25	Salivary gland	2
26	Salivary proteins	2
27	TMJ	2
28	Maxillary sinus	2
29	Histochemistry	2
30	Age changes of soft and hard tissues	2
Total		60

Laboratory sessions

Lab number	Study unit title	subject	Hours
1	first week of development ovulation and implantation	data show projector	3
2	Second week of development: bilaminar germ layer	data show projector	3
3	Third week of development trilaminar germ layer	Video presentation	3
4	Development of prechodral plate and primitive streak	data show projector	3
5	Pharyngeal arch, pouch and cleft	data show projector	3

6	development of the face and tongue	Video presentation	3
7	Development of the Palate and its anomalies	data show projector	3
8	Slide preparation, Tooth development and growth	Data show figures	3
9	Tooth development and growth	Data show figures	3
10	Dentinogenesis, Dentin structures	Data show figures	3
11	Amelogenesis, Enamel structures	Data show figures	3
12	Clinical consideration in enamel and dentin, Dentin hypersensitivity	Data show figures	3
13	Pulp development, pulp structures	Video presentation	3
14	Root formation, Cementogenesis	Video presentation	3
15	Cementum structures, Clinical consideration of cementum	Data show projection	3
16	Periodontium, Periodontal ligaments	Data show projection	3
17	Maxilla, mandible, alveolar bone	Data show projection	3
18	Oral mucosa membrane, Types of mucosa	Data show projection	3
19	Eruption of teeth, Mechanism of eruption	Data show projection	3
20	Shedding of the deciduous teeth, Dentino-gingival junction	Data show projection	3
21	Temporo-mandibular joints, Maxillary sinus	Data show projection	3
22	Histochemistry, Types of histochemical stain	Data show projection	3
23	Facial anomalies, Types of Twins	Data show figures	3
24	Development of Digestive system, Congenital anomalies of Digestive system	Data show figures	3
25	Development of nervous system, Congenital anomalies of nervous system	Data show figures	3
26	Development of muscular system, Congenital anomalies of muscular system	Data show figures	3
27	Development of skeletal system, Congenital anomalies of skeletal system	Data show figures	3
28	Characterization of proteins involved in Dentin and Bone Mineralization	Data show projection	3

29	Bone formation and resorption	Data show projection	3
30	Salivary proteins and their relevance to mineral homeostasis	Data show projection	3
Total			90