

ORAL PATHOLOGY & MICROBIOLOGY

Ph.D. Themes

Themes/Topic	Subtopic
Developmental disorders of oral and paraoral structures dental caries Diseases of pulp and periapical region ,Spread of oral infection , Oral Potentially malignant disorders	Developmental disorders of oral and paraoral structures Dental caries
	Diseases of pulp and periapical region& Spread of oral infection Oral Potentially malignant
Benign & malignant tumors of epithelial & connective tissue and diseases of the salivary glands	Oral Potentially malignant disorders
	Malignant tumors of epithelial tissue
	Benign tumors of connective tissue
	Malignant tumors of connective tissue
Diseases of the salivary glands	Diseases of the salivary glands
	Odontogenic cysts
	Odontogenic tumors
	Oral aspects of metabolic diseases
Immunological diseases of oral cavity	Immunological diseases of oral cavity
	Bacterial infections of the oral cavity
	Viral infections of the oral cavity
	Fungal infections of the oral cavity
Bacterial, fungal, viral infections of the oral cavity, and diseases of the bone, skin, & blood	Diseases of the bone
	Diseases of the skin
	Diseases of the blood

THEME 1

- **Describe Developmental Disturbances of Jaws** Agnathia Micrognathia Macrognathia Facial hemihypertrophy Facial hemiatrophy Abnormalities of dental arch relations.

- **Developmental Disturbances of Lips and Palate** Congenital lips and commissural pits and fistula Double lip Cleft lip and palate Cheilitis glandularis Chelitis granulomatosa Hereditary intestinal polyposis syndrome Labial and oral melanotic macule.
- **Developmental Disturbances of Oral Mucosa** Fordyce granules Focal epithelial hyperplasia (Heck's disease)
- **Developmental Disturbances of Gingiva** Fibromatosis gingivae Retrocuspid papilla.
- **Developmental Disturbances of the Tongue** Microglossia Macroglossia Ankyloglossia Cleft tongue Fissure tongue Median rhomboid glossitis Benign migratory glossitis Hairy tongue Lingual varices Lingual thyroid nodule.
- **Developmental Disturbances of Salivary Glands** Aplasia Xerostomia Hyperplasia of palatal gland Atresia Aberrancy Developmental mandibular salivary gland depression.
- **Developmental Disturbances of Size of Teeth** Microdontia Macrodontia.
- **Development Disturbances in Shape of Teeth** Gemination Fusion Concrescence Dilaceration Talon's cusp Dens in dente Dens evaginatus Taurodontism Supernumerary roots.
- **Developmental Disturbances in Number of Teeth** Oligodontia Anodontia Supernumerary teeth Predeciduous dentition Post permanent dentition.
- **Developmental Disturbances in Structure of Teeth** Amelogenesis imperfecta Dentinogenesis imperfecta Dentin dysplasia Regional odontodysplasia Dentin hypocalcification

- DENTAL CARIES Definition classification - According to location on individual tooth Pit and fissure caries Smooth surface caries Linear enamel caries Cervical caries Root caries
According to rapidity of the process Acute dental caries Rampant caries Radiation caries
Nursing bottle caries Adolescent caries Chronic dental caries Arrested caries

THEME 2

- Describe clinical features, pathogenesis,, histologic features, differential diagnosis, treatment & prognosis of Papilloma, Squamous Acanthoma and Keratoacanthoma
Describe classification, clinical features, pathogenesis, radiographic features, histologic features, differential diagnosis, treatment & prognosis of nevus Describe the
Epidemiology Etiology Clinical features Classification Histopathological features of squamous cell carcinoma Describe clinical features, pathogenesis, histologic features, differential diagnosis, treatment & prognosis of the benign and Malignant connective tissue tumors .WHO histological Classification of salivary glands tumors Incidence, etiology, clinical features,& histopathological features of benign and malignant salivary gland tumors and non neoplastic diseases

- THEME 3

- Describe classification, clinical features, pathogenesis, radiographic features, histologic features, differential diagnosis, treatment & prognosis of the Dentigerous cyst Eruption

cyst Odontogenic keratocyst Gingival cyst of newborn Gingival cyst of adult Lateral periodontal cyst Calcifying odontogenic cyst WHO classification of odontogenic tumors epidemiology, & etiology of ameloblastoma Ameloblastoma, Solid / multicystic type Extraosseous / peripheral type Desmoplastic type Unicystic type Squamous odontogenic tumour Calcifying epithelial odontogenic tumour Adenomatoid odontogenic tumour Keratinizing cystic odontogenic tumour

- **THEME 4**

Describe the Pathogenesis, Clinical features, Oral Manifestation and histology of Bacterial infections of Oral Cavity such as: Tuberculosis, Leprosy, Actinomycosis Describe the morphology of HIV virus Describe the mode of infection Describe the pathogenesis of HIV Enlist manifestations Describe the etiology, clinical features, treatment of candida albicans and classification and disorders associated with candida albicans. Describe the classification of fibroosseous lesions, pathogenesis, types, & clinical features of fibrous dysplasia Describe the etiopathogenesis, clinical features, oral manifestations, histopathological features & treatment of Pemphigus Vulgaris. Pemphigus Pemphigus vegetans Paraneoplastic pemphigus Pemphigus foliaceus Brazillian pemphigus Pemphigus erythematosu Pemphigoid Cicatricial Pemphigoid (benign mucous membrane pemphigoid Bullous pemphigoid Erythema multiforme Hereditary ectodermal dysplasia Psoriasis Incontinentia pigmenti Stevens-johnson syndrome Lupus erythematosus Systemic lupus erythematosus (SLE) Discoid lupus erythematosus (DLE Scleroderma Crest syndrome Keratosis follicularis Dyskeratosis congenita White sponge nevus

