



JINNAH SINDH MEDICAL UNIVERSITY

ORAL PATHOLOGY CURRICULUM

Ref# CURRICULUM MEETING/JSMU/2016-17/ 08

Dated: 13-06-17

COURSE TOPIC: ABNORMALITIES OF TEETH

S.No	Lecture Topic	Topic Objectives
1	Disturbance in the number and size of teeth	<p>a. Describe the clinical and radiographic features of disturbances in number of teeth including:</p> <ul style="list-style-type: none">i) Anodontia,ii) Hyperdontia/ Supernumerary teeth,iii) Hypodontia/ Oligodontia and associated syndromes.iv) Impaction <p>b. Describe the disturbances in size of teeth including:</p> <ul style="list-style-type: none">i) Macrodontia andii). Microdontia
2	Disturbance in form of teeth	<p>c Discuss the alterations in shape of teeth including</p> <ul style="list-style-type: none">i) Geminatioii) Fusion,iii) Concrecence,iv) Dens invaginatus,v) Dens evaginatusvi) Enamel pearls,vii) Taurodontism,viii) Dilacerationix) Supernumerary roots

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		<ul style="list-style-type: none">x) Attritionxi) Abrasionxii) Erosion
3	Disturbance in structure of teeth	<p>d Describe the etiology, types and clinical features of the following disturbances in structure of teeth:</p> <ul style="list-style-type: none">i) Disturbances in structure of enamel<ul style="list-style-type: none">a) Environmental defects of enamelb) Amelogenesis Imperfectaii) Disturbances in structure of dentine<ul style="list-style-type: none">a) Dentinogenesis Imperfectab) Dentine dysplasiaiii) Disturbances in structure of cementum Hypercementosisiv) Anomalies of pulp<ul style="list-style-type: none">a) Pulp calcificationsb) Internal resorptionc) External resorption

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4	Discoloration of teeth	<p>d) Associate the developmental syndromes with the developmental disorders of teeth</p> <p>e) Discuss the causes and clinical features of exogenous and endogenous discoloration of teeth</p>

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COURSE TOPIC: DENTAL CARIES

S.No	Lecture Topic	Topic Objectives
1	Etiology of dental caries	Discuss in detail the role of Dental Plaque, Microorganisms, Carbohydrates and other variables in the development of dental caries
2	Classification of dental caries	Classify and discuss dental caries on basis of: i. Site of attack and ii. Rate of attack
3	Pathology & Histopathogenesis of dental caries	Describe the course and histopathogenesis of dental caries in: i. Enamel, ii. Dentin and iii. Root.

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COURSE TOPIC: DISEASES OF PULP

S.No	Lecture Topic	Topic Objectives
1	Classification, Etiology and histopathology of pulpitis	<p>a. Discuss etiology of pulpitis</p> <p>b. Classify and differentiate between different types of pulpitis on the basis of clinical and diagnostic features</p>
2	Spread of infection	<p>Explain the spread of infection and describe the pathogenesis, clinical and diagnostic features of:</p> <ul style="list-style-type: none">i. Acute & Chronic periapical periodontitisii. Periapical abscessiii. Periapical granulomaiv. Periapical cystv. Osteomyelitisvi. Cellulitis & Ludwig's angina

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COURSE TOPIC: SPECIFIC AND NON-SPECIFIC INFECTION

S.No	Lecture Topic	Topic Objectives
1	Clinical features, pathogenesis and histopathology of Tuberculosis and Syphilis	i. Tuberculosis ii. Syphilis
2.	Clinical features, pathogenesis and histopathology of Actinomycosis and Pericoronitis	i. Actinomycosis ii. Pericoronitis and impacted teeth

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COURSE TOPIC CYST OF THE JAWS

S.No	Lecture Topic	Topic Objectives
1	Classification and Origin of odontogenic cyst of the jaws	Classify and discuss the origin of Odontogenic and nonodontogenic cyst of the jaws
2	Clinical, radiographic and histological features of Odontogenic cysts	Compare the clinical, radiographic and histological features of Odontogenic cyst including a) Periapical (radicular) cyst b) Dentigerous and eruption cyst c) Odontogenic keratocyst d) Gingival cyst e) Lateral periodontal cyst f) Calcifying odontogenic cyst g) Glandular odontogenic cyst Discuss the pathogenesis of each of the cyst
3	Clinical, radiographic and histological features of non-odontogenic cyst	Describe clinical, radiographic and histological features of Non-odontogenic cyst including a) Nasopalatine cyst b) Nasolabial cyst c) Median cyst d) Globulomaxillary cyst

4	Non-epithelial/pseudocyst	Describe clinical, radiographic and histological features of Non-epithelial/pseudo cyst including
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		a) Traumatic bone cyst b) Stafne's bone cavity c) Anerysmal bone cyst
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COURSE TOPIC: ODONTOGENIC TUMORS

S.No	Lecture Topic	Topic Objectives
1	Odontomes	Classify odontogenic tumors
2	Odontogenic tumors	Describe etiology, pathogenesis, clinical and diagnostic features of tumors of odontogenic epithelium a) Ameloblastoma b) Squamous odontogenic tumors c) Calcifying epithelial odontogenic tumor d) Adenomatoid odontogenic tumor 3. Describe etiology, pathogenesis, clinical and diagnostic features of mixed odontogenic tumors a) Ameloblastic fibroma b) Ameloblastic fibro odontome c) Odontoma
3	Non Odontogenic Tumors	Discuss the behavior of benign mesenchymal odontogenic tumors: a) Odontogenic fibroma b) Odontogenic myxoma c) Cementoblastoma

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COURSE TOPIC: VESSICULOBULLOUS LESIONS

S.No	Lecture Topic	Topic Objectives	Mode of Teaching	Assessment Tools
1	Vesiculobullous Conditions	Discuss the histopathological features of following vesiculobullous conditions i. Herpes Simplex infection ii. Varicella Zoster infection iii. Pemphigus vulgaris iv. Mucous membrane pemphigoid v. Bullous pemphigoid	Lecture and Practical	Presentation & Final Exam
2	Ulcerative Condition	Discuss the histopathological features of following ulcerative conditions A. Immunological diseases i. Aphthous ulcers ii. Behcets syndrome iii. Erythema multiforme	Lecture and Practical	
3	Fungal Infection	Identify candidiasis on the basis of histopath slide Describe histopath features of oral candidiasis Fungal:	Lecture and Practical	

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		Candidiasis		
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COURSE TOPIC: WHITE & COLORED LESION

S.No	Lecture Topic	Topic Objectives
1	Classification of White lesions	Classify white lesion of oral mucosa according to their etiology
2	Hereditary white lesions	Describe hereditary white lesions a) Oral epithelial nevus b) Leukoedema c) Hereditary benign intraepithelial dyskeratosis d) Follicular keratosis
3	Reactive white lesions	Describe reactive white lesions a) Frictional hyperkeratosis b) Nicotine stomatitis c) Hairy leukoplakia d) Hairy tongue
4	Preneoplastic and neoplastic white lesions	Describe etiology, pathogenesis, clinical features, histopathology and prognosis of preneoplastic, neoplastic and other lesions a) Leukoplakia b) Oral Submucous fibrosis c) Lichen planus d) Lupus erythematosus e) Actinic cheilitis
5	Vascular lesions	Discuss etiology, pathogenesis, clinical features, and histopathology of the following congenital vascular anomalies a) Congenital Hemangioma

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6	Reactive lesions	<p>Discuss etiology, pathogenesis, clinical features, and histopathology of the following reactive lesions:</p> <ul style="list-style-type: none">a) Pyogenic granulomab) Peripheral giant cell granulomac) Peripheral Fibromad) Generalized Gingival Hyperplasiae) Denture Induced Fibrous Hyperplasia
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COURSE TOPIC: VERRUCAL-PAPILLARY LESIONS

S.No	Lecture Topic	Topic Objectives
1.	Benign lesions associated with Human Papilloma Virus	1. Describe the etiology, pathogenesis and diagnostic features of the following reactive/infectious lesions a) Squamous cell papilloma b) Papillary hyperplasia c) Condyloma latum d) Condyloma acuminatum e) Focal epithelial hyperplasia

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COURSE TOPIC: SQUAMOUS CELL CARCINOMA AND OTHER EPITHELIAL TUMORS

S.No	Lecture Topic	Topic Objectives
1.	Squamous cell carcinoma	Explain the etiology, epidemiology, pathogenesis, clinical features, histopathology and prognosibasals of squamous cell carcinoma Describe staging and grading of squamous cell carcinoma
2.	Basal Cell Carcinoma	Explain the etiology, pathogenesis, clinical features, histopathology of Basal Cell Carcinoma

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COURSE TOPIC: SALIVARY GLAND DISEASES

S.No	Lecture Topic	Topic Objectives
1	Reactive lesions of salivary gland	Describe reactive lesions of Salivary glands a) Mucous extravasation phenomenon b) Mucus retention cyst c) Necrotizing sialometaplasia
2	Bacterial & Viral Infections of salivary Gland	Describe pathogenesis, clinical and diagnostic features of the infections of the Salivary glands: a) Mumps b) Bacterial sialadenitis c) Sarcoidosis d) Sjogren's syndrome e) Xerostomia f) Cytomegaloviral sialadenitis
3	Salivary gland tumors	Classify and describe the pathogenesis, clinical and diagnostic features of salivary gland tumors. a) Pleomorphic adenoma b) Warthin tumor c) Basal cell adenoma d) Oncocytoma e) Canalicular adenoma

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		f) Mucoepidermoid carcinoma g) Acinic cell carcinoma h) Adenoid cystic carcinoma
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COURSE TOPIC: METABOLIC AND GENETIC DISEASE

S.No	Lecture Topic	Topic Objectives
1	Inherited and developmental disorder of bone	Discuss the following genetic abnormalities and associate the developmental disorders with dental defects a) Cherubism b) Osteopetrosis c) Cleidocranial dysplasia
2	Fibro-osseous lesion	Classify and describe etiology, clinical features, pathogenesis and behavior of fibro-osseous lesions.
3	Metabolic & endocrinal disorder of bone	1. Discuss the pathogenesis and diagnostic features of following metabolic conditions: a) Paget's disease b) Hyperparathyroidism c) Hypothyroidism d) Hyperthyroidism e) Hypophosphatasia
4	Central giant cell granuloma	Describe clinical and diagnostic features central giant cell granuloma

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5	Tumors of bone	Classify and describe etiology, pathogenesis, clinical and diagnostic features of bone tumors including: a) Osteoma and osteoblastoma b) Osteosarcoma c) Ossifying fibroma
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COURSE TOPIC: TEMPOROMANDIBULAR JOINT DISORDERS

S.No	Lecture Topic	Topic Objectives
1	Developmental disorders	Aplasia, Hyperplasia and Hypoplasia of the mandibular condyle.
2	Inflammatory Disorders	Traumatic arthritis, Infective arthritis, Rheumatoid arthritis
3	Osteoarthritis	Causes and clinical features
4	Functional Disorders	Myofacial pain dysfunction syndrome, Disc displacement

1. Prof. Dr. Hasan Mehdi
Professor of Oral Surgery
Fatima Jinnah Dental College
0313-9169704
hasanmzaidi@msn.com

2. Dr. Uzma Zareef
Assistant Professor of Oral Pathology
Liaquat College of Medicine and Dentistry
0300-2247225
uzmaz_3@hotmail.com

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3. Dr. Humera Kashif
Assistant Professor of Oral Pathology
Sindh Institute of Oral Health Sciences
0321-8912767
humeraakhlaq@ymail.com

4. Dr. Mohid Abrar Lone
Assistant Professor of Oral Pathology
Sindh Institute of Oral Health Sciences
0321-3535366
mohid.lone@jsmu.edu.pk

5. Dr. Muhammad Atif
Senior Lecturer Oral Pathology
Sindh Institute of Oral Health Sciences
0345-2672959
muhammad.atif@jsmu.edu.pk

6. Dr. Batool Vazir
Assistant Professor of Oral Pathology
Altamash Institute of Dental Medicine
0332-3158492
b_vazir@hotmail.com