

JINNAH SINDH MEDICAL UNIVERSITY

Oral Medicine Curriculum

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

Dated: 12-06-17

COURSE TOPIC: PRINCIPLES OF INVESTIGATIONS AND DIAGNOSIS

S. NO.	LECTURE TOPIC	TOPIC OBJECTIVES
1	History taking	<ol style="list-style-type: none">1. Record a comprehensive history2. Understand the significance of each component of history, e.g. importance of recording the presenting complaint in the patient's own words, impact of an underlying medical condition on the patients' oral health management etc
2	Investigations	<ol style="list-style-type: none">1. Perform extraoral and intraoral examination<ol style="list-style-type: none">a. TMJ and muscles of masticationb. Cervical lymph nodesc. Cranial nerve examination, with emphasis on CN V and VII2. Understand the basic indications and interpretations of common investigations<ol style="list-style-type: none">a. Haematologicalb. Radiologicalc. Histological

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		<ul style="list-style-type: none">d. Specialized imaging, e.g. Sialography, CT scan, MRI, Radioisotope scane. Molecular biologyf. Culture and sensitivity testing, Serology, PCRg. Immunohistochemistry
3	Diagnosis	Formulate differential diagnoses for common oral pathologies on the basis of <ul style="list-style-type: none">a. Site of lesionb. Type/physical characteristics of the lesion
4	Treatment planning	Basic understanding of medical treatment options of common oral and maxillofacial pathologies

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COURSE TOPIC: ORAL INFECTIONS

S. NO.	LECTURE TOPIC	TOPIC OBJECTIVES
1	Bacterial infections	<ol style="list-style-type: none">1. Understand the signs, symptoms and clinical features of bacterial infections of the oro-facial region, e.g.<ol style="list-style-type: none">a. Odontogenic infections, Cellulitis, Ludwig's anginab. Actinomycosisc. Syphilis2. Understand the investigations required for diagnosis3. Understand the medical management of bacterial infections including choice of antibiotic and reasons for failure of therapy

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2	Viral infections	<ol style="list-style-type: none">1. Understand the signs, symptoms and clinical features of viral infections of the oro-facial region, e.g.<ol style="list-style-type: none">a. Herpes simplex virusb. Varicella zoster virusc. Coxsackie virusd. Epstein Barr viruse. Cytomegalovirusf. Human immunodeficiency virus2. Understand the investigations required for diagnosis3. Understand the medical management of viral infections including choice of antiviral therapy
3	Fungal infections	<ol style="list-style-type: none">1. Classify fungal infections2. Understand the signs, symptoms and clinical features of fungal infections of the oro-facial region

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		<ol style="list-style-type: none">3. Understand the investigations required for diagnosis4. Understand the medical management of fungal infections and reasons for failure of therapy
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COURSE TOPIC:

ORAL ULCERATIVE LESIONS

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S. NO.	LECTURE TOPIC	TOPIC OBJECTIVES
1	Classification	Classify on the basis of aetiology
2	Non-vesiculobullous conditions	<ol style="list-style-type: none">1. Understand the clinical features of the common ulcers affecting the oral cavity2. Understand the investigations available for diagnosis, e.g. haematological, biopsy etc3. Know the common pharmacological treatment options
3	Vesiculobullous ulcers conditions	<ol style="list-style-type: none">1. Understand the clinical features of the ulcers affecting the oral cavity2. Understand the investigations available for diagnosis, e.g. haematological, biopsy, immunofluorescence etc

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		3. Know the common pharmacological treatment options
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COURSE TOPIC: ORAL SOFT TISSUE LESIONS

S. NO.	LECTURE TOPIC	TOPIC OBJECTIVES
1	White lesions	<ol style="list-style-type: none">1. Classification2. Understand the differences in aetiology, history and clinical features3. Understand the options for the management of persistent, unresolving lesions
2	Red lesions	<ol style="list-style-type: none">1. Classification

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		<ol style="list-style-type: none">2. Understand the differences in aetiology, history and clinical features3. Understand the options for the management of persistent, unresolving lesions
3	Pigmented lesions	<ol style="list-style-type: none">1. Classification2. Differentiate between malignant melanoma and other pigmented lesions of the oral cavity3. Understand the management of malignant melanoma
4	Premalignant lesions and conditions	<ol style="list-style-type: none">1. Differentiate between lesions and conditions2. Understand the management of dysplastic lesions

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		3. Know the various risk factors for malignant changes in oral premalignant lesions/conditions
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COURSE TOPIC: MOTOR AND SENSORY CHANGES IN THE OROFACIAL REGION

S. NO.	LECTURE TOPIC	TOPIC OBJECTIVES
1	Facial pain	<ol style="list-style-type: none">1. Understand the differential diagnoses2. Understand clinical features, diagnosis and management of trigeminal neuralgia3. Understand clinical features and management of atypical facial pain

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		4. Understand clinical features and management of burning mouth syndrome
2	Facial palsy	1. Causes of facial palsy 2. Understand the diagnosis and management of Bell's palsy

COURSE TOPIC: SALIVARY GLAND DISORDERS

S. NO.	LECTURE TOPIC	TOPIC OBJECTIVES
1	Salivary flow obstruction	Classification on the basis of aetiology
2	Infections (sialoadenitis)	1. Understand the clinical features of bacterial and viral sialoadenitis 2. Understand the management of sialoadenitis

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COURSE TOPIC: TEMPOROMANDIBULAR JOINT DISORDERS

S. NO.	LECTURE TOPIC	TOPIC OBJECTIVES
1	Evaluation	<ol style="list-style-type: none">1. Understand the common signs and symptoms associated with TMJ disorders2. Understand the current investigations available for the evaluation of TMJ disorders, e.g. arthrography, CT scan, MRI
2	Treatment	<ol style="list-style-type: none">1. Know the common pharmacological treatment options, occupational therapy, prosthetic splint therapy, alternative medical therapy for pain

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COURSE TOPIC: SYSTEMIC DISORDERS

S. NO.	LECTURE TOPIC	TOPIC OBJECTIVES
1	Cardiovascular diseases	1. Considerations for the dental management of patients with CV diseases a. Patients on warfarin therapy b. Patients on antiplatelet medication c. Current guidelines for antibiotic prophylaxis for infective endocarditis d. Oral manifestations of antihypertensive medication

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2	Respiratory diseases	<ol style="list-style-type: none">1. Understand the management of an asthmatic and chronic obstructive pulmonary disease patient, e.g. risk of administration of general anaesthesia2. Understand the clinical features, investigations and treatment of Sarcoidosis
3	Gastrointestinal diseases	<ol style="list-style-type: none">1. Oral manifestations of GI diseases, e.g. Crohn's disease, ulcerative colitis, orofacial granulomatosis, Coeliac disease, hepatitis B and C2. Considerations for the dental management of a patient with inflammatory bowel disease and hepatitis B and C
4	Renal diseases	<ol style="list-style-type: none">1. Oral manifestations of renal diseases

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		2. Considerations for the dental management of a patient with chronic renal disease
5	Haematological diseases	1. Oral manifestations of a. Anaemia b. Leukaemia c. Lymphoma 2. Considerations for the dental management of a patient with haematological disease
6	Haemorrhagic diseases	1. Oral manifestations of a. Purpura b. von Willebrand's disease c. Haemophilia 2. Considerations for the dental management of a patient with haemorrhagic disease

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