وصف مقرر دراسي

## Course Title : Oral Medicine

Course No. & Code : 421 MDS

Credit Hours : 2 (1 Lect + Clin)

Level : 4th Year

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| Course code : 421 MDS |  | رقم المقرار ورمزة : 421 راس |
| Course name oral medicine |  | اسم المقرار طب الفم |
| Credite 2hs ( 1 hour lecture, 1 h clinic) |  | عدد الساعات2 :ساعة محاضرة و ساعة عيادة |
| Prerequisite ( Oral diagnosis 1 & 2 ) |  | المتطلب السابق : تشخيص امراض الفم (جزء اول وثان ) |

**هذا المقرر يعطي الطالب معلومات متقدمة عن الامراض التي تصيب الفم والوجه وعلاقاتها بأعضاء الجسم الاخرى. كذلك إتقان كتابة الوصفات العلاجية لهذه الأمراض وطلب الاختبارات المعملية اللازمة و قرأتها و كتابة التقارير والتحويلات الى أقسام أخرى بشكل علمي.**

A. **Course Description**

This course contains several lectures about general oral medicine subjects that are very important for the general dental practitioner. This is supported by clinical sessions in which students will see and treat patient with oral lesions.

B. **Course Objectives**

During this course the students should learn and practice several aspects of oral medicine. This will include:

1. Ability to recognize systemic conditions that may affect dental patients.
2. Recognition and diagnosis of oral soft and hard tissue changes.
3. Request the proper investigative procedures needed for the patient based on the oral and systemic findings.
4. Management and treatment of patients with oral soft and hard tissue changes.
5. Patient referral procedures and dental report writing.

C. **Course Outline**

The activities for this course will include:

. **Clinical sessions , case presentation** and seminars

The student will see and treat patient and will be required to write a short report about a patient with systemic disease. He/she will present the case with the aid of photo slides to the class and instructors.

The presentation should take no more than 10 minutes plus 5 minutes for discussion. Faculty member or instructor who checked the patient in the clinic will supervise report writing and slide preparation.

Topics of the most common oral manifestations will discuss in seminars .

**Lecture topics in details [contents]:**

1. **Introduction** -

The first lecture

#### General introduction and welcome remarks

* Course objectives
* Course outline and description
* Clinical instructions
* Case presentation
* Evaluation methodology
* Grade distribution among the different activity of the course

2. **Diagnostic skills** –

General patient assessment

* First impression
* History
* Clinical examination
* Investigative procedure

What does the patient want?

* Relations between the dentist and the patient.
* Role of the patient.
* Recall visits

### 3-**Common Laboratory Diagnostic Tests –**

* Radiographs
* Tissue biopsy:
* Types
* Instrumentation
* Indications
* Contraindications
* Exfoliative cytology
* Routine hematology screening
* Blood chemistry and electrolytes
* Bilirubin, alkaline phosphatase …. etc
* Homeostasis: vascular phase, platelet phase, bleeding time, and coagulation phase.
* Examination of the urine
* Bacterial culture and sensitivity test.

4. **Therapeutic in Oral Medicine** –

#### **Principle of therapeutics in oral medicine**

* Covering agents – types and indications
* Steroids – principle of use, types, indications
* Antibiotics – topical use, indications and disadvantages
* Definition of a prescription
* Reasons for writing prescription
* Guidelines for writing a prescription
* Parts of the prescription
* Example of writing a prescription
* Dose adjustment for child and elderly

5. **Nutritional disease**

# Body requirements

* Dietary constituents
* Vitamins and minerals

# Oral manifestations

* Carbohydrates
* Proteins
* Fats
* Vitamins (Vitamin, A, B1, B2, B12, C, D)
* Minerals (fFuoride, Calcium, Iron)
* Sugars and dental caries
* Etiology of nutritional deficiencies

6. **Endocrine Disorders**

# Importance of hormones

* Endocrine system
* Hormonal disorders
* Diabetes mellitus
* Adrenal gland disorders
* Addison’s disease
* Dental evaluation, management
* Thyroid disorders

- Location

* Hormone
* Hypothyroidism
* Hyperthyroidism
* Dental evaluation and management

7. **Dermatologic Diseases I**

- Classification of dermatologic diseases with oral manifestation.

- Inherited diseases with oral manifestation, white sponge nevus, hereditary

interepithelial dyskeratosis, keratosis folicularis, Ehlers-Danlos syndrome,

clinical features and management.

* Inherited diseases causing bullae formation, epidermolysis bullosa – clinical
* Features and management.
* Acquired diseases with oral manifestation, erythema multiforme, psoriasis
* Clinical features and management.

8. **Dermatologic Diseases** II

#### Lichen planus types, non erosive, minor erosive, major erosive, clinical

features and management.

* Pemphigus vulgaris, clinical features, management, adjunctive treatment.
* Bullous pemphegoid, mucous membrane, Pemphegoid.
* Clinical features and management.

9. **Potentially malignant lesion and condition** –

* Potentially malignant lesion
* Epithelial dysplasia
* General management of precancerous lesion
* Dyskeratosis congenital
* Infective white patches
* Lichen planus
* Erythroplakia
* Leukoplakia
* Palatal changes among reverse smokers
* Precancerous nature
* Clinical manifestations
* Diagnosis and management.

10. **Salivary Glands**

- Anatomy

- Clinical evaluation

###### Investigative procedures

* Developmental anomalies
* Sialolithiasis
* Mucocele
* Necrotizing sialometaplasia
* Inflammatory disorders
* Viral
* Bacterial

Diagnostic uses of saliva

* Dental caries.
* Fungal infections
* Drug monitoring
* Smoking cessation
* Sjogren’s syndrome
* Malignant tumors of salivary glands

11. **Viral infections**

General features of oral viral infections, methods of diagnosis and principle of treatment of primary herpes simplex, recurrent herpes, herpes zoster, coxsackie virus infections, infective mononucleosis.

##### 12. Bacterial and Fungal Infection

I. Bacterial, infections of oral mucosa

II. Causes [aetiology], clinical picture, investigations and treatment of:

* Acute ulcerative gingivitis
* Streptococcal stomatitis
* Syphilis
* Gonorrohea
* Reiter’s syndrome
* Tuberculosis

Oral candidal infection

* Predisposing factors
* Pathogenicity of the fungi
* Clinical presentation, investigations and treatment of:
* Pseudomembranous candidosis [thrush]
* Acute erythematous candidosis
* Chronic erythematous candidosis
* Candidal angular cheilitis
* Chronic hyperplastic candidosis
* Chronic muco-cutaneous candidosis

13. **Gastro-intestinal Diseases**

# Aetiology

###### Clinical features

Diagnosis

Complications and treatment

* Coeliac disease “gluten-sensitive entropathy”
* Crhon’s disease
* Oro-facial granulomatosis
* Ulcerative colitis
* Reflux osophygitis

14. **Temporomandibular Joint Disorders**

# Anatomy

* The joint
* The muscles
* The occlusion

Physiological aspects

Patient assessment

* History
* Clinical examination

Investigative procedures

Patient management

* Pain
* Dysfunction

D. **Methodology**

Didactic + clinical

E. **Required textbook**

Burket’s Oral Medicine

Lynch, Bightman, Greenberg, 2008 11th Ed.

F. **Reference textbook**

1. Oral Medicine, W.R. Tyldesley, Oxford Univ. Press
2. Principles and Practice of Oral Medicine. Sonis, Faxio, Fang., W.B. Saunders Company
3. Accepted Dental Therapeutics. American Dental Association