

**Faculty of Oral & Dental Medicine**  
**General Surgery & E.N.T. & Ophthalmology**

**Information :**

**Course Code :** SGS 421

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Oral & Dental Medicine

**Instructor Information :**

| Title              | Name                                   | Office hours |
|--------------------|--|--------------|
| Professor          | Osama Saeed Emam Abdel Aal             | 2            |
| Assistant Lecturer | Dina Abd El Hameid Hamdi Abd El Hameid |              |
| Teaching Assistant | Eman Khaled Ahmed Tantawy              |              |
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**Area Of Study :**

1. To Study anatomy of different parts of the eye , its function , and the common pathological diseases affecting each part.
2. Study anatomy of cavernous sinus.
3. Study relationship between the ophthalmic work and dental work as regards cataract and glaucoma surgeries and identification of preoperative role of the dentist.
4. Study the relationship between dental septic foci and ocular infections with emphasis on how to prevention and treatment
5. Introduce the dental students to the basic principles of general surgery and to educate them the surgical concepts related to their specialty

**Description :**

Infections, wounds, burns, blood transfusion, shock and haemorrhage

**Course outcomes :**

**a.Knowledge and Understanding: :**

|     |   |
|-----|---|
| 1 - | Identify signs and symptoms of common surgical conditions of interest to the dental field.                        |
| 2 - | Identify the problem of some diseases in surgery that can occur in the dental clinic                              |
| 3 - | Identify and manage the patients' systemic diseases that may affect   |
| 4 - | Recognize causes , prevention , assessment and treatment of excessive bleeding during dental treatment.           |
| 5 - | Recognize indications for blood transfusion and recognize and manage reactions of incompatible blood transfusion. |
| 6 - | Identify different types of antibiotics and correlate them with the different microorganisms                      |
| 7 - | Recognize etiology , pathogenesis , early detection and management of surgical infection .                        |
| 8 - | Identify and manage emergency situations in maxillofacial injuries.   |
| 9 - | Recognize and manage pigmented lesions.   |

|      |  |                       |
|------|--|-----------------------|
| 10 - | Recognize and know principles of treatment of cleft lip and palate           |                       |
| 11 - | Define different anatomical parts of the eye.                                |                       |
| 12 - | Recall common pathological conditions affecting each eye part.               |                       |
| 13 - | State the anatomy of cavernous sinus.  |                       |
| 14 - | Review the relation between ophthalmology and dentistry regarding surgeries. | cataract and glaucoma |
| 15 - | State different dental septic foci.  |                       |
| 16 - | Explain the relation between dental septic foci and ocular infections.       |                       |
| 17 - | Recognize how to prevent the noxious effect of dental septic foci on         | ocular structures     |
| 18 - | Describe the treatment of some ocular lesions of dental concern.             |                       |
| 19 - | Recognize the pre-operative role of the dentist as regarding some            | ocular surgeries.     |

**b. Intellectual Skills: :**

|     |   |  |
|-----|---|--|
| 1 - | Differentiate between different mid line and lateral neck swellings |  |
|-----|---|--|

**c. Professional and Practical Skills: :**

|     |  |  |
|-----|--|--|
| 1 - | Management of delayed wound healing.   |  |
| 2 - | Diagnose and treat different salivary glands infections , tumors and stones. |  |

**d. General and Transferable Skills: :**

|     |  |  |
|-----|--|--|
| 1 - | Demonstrate respect to all patients irrespective of their socioeconomic levels , culture or religious beliefs.   |  |
| 2 - | Converse with patience and attentiveness in a manner that conveys concern , compassion and encouragement to patients or families.  |  |
| 3 - | Elucidate to the patient the nature of disease , the different treatment options and the possible complications in such a way that is easily understood , answers patient's questions , encourages discussion and promotes the patient's participation in decision making. |  |
| 4 - | Provide appropriate basic patient education  |  |

**Course Topic And Contents :**

| Topic                       | No. of hours | Lecture | Tutorial / Practical |
|-----------------------------|--------------|---------|----------------------|
| Thyroid gland               | 4            |         |                      |
| Surgery of thyroid gland    | 4            |         |                      |
| Surgical hemostasis         | 4            |         |                      |
| Surgical hemostasis         | 4            |         |                      |
| Blood transfusion .         | 4            |         |                      |
| Blood grouping              | 4            |         |                      |
| Antimicrobial therapy       | 4            |         |                      |
| Antimicrobial therapy       | 4            |         |                      |
| Salivary glands , thyroid , | 4            |         |                      |
| L.N. , and tongue           | 4            |         |                      |
| Neck swellings              | 4            |         |                      |
| Wound healing               | 4            |         |                      |

### **Teaching And Learning Methodologies :**

Lectures

Tutorial classes for Small group teaching and case presentation and discussion in the clinic

Unfortunately , there are currently no specific arrangements available to accommodate disabled students

### **Course Assessment :**

| Methods of assessment     | Relative weight % | Week No | Assess What  |
|---------------------------|-------------------|---------|--|
| 1st Mid Term Examinations | 15.00             |         | assess knowledge and understanding.  |
| 2nd Mid Term Examinations | 15.00             |         | assess knowledge and understanding.  |
| Class work                | 20.00             |         |  |
| Final Written Examination | 25.00             |         | to assess knowledge and understanding.   |
| Oral Examination          | 10.00             |         | assess knowledge and understanding , intellectual and general skills   |
| Practical Examination     | 15.00             |         | assess practical and intellectual skills other assignments / class work and case study to assess student ability to diagnose cases |

### **Course Notes :**

Department note