



UNIVERSITÀ
degli STUDI
di CATANIA

DEPARTMENT OF GENERAL SURGERY AND MEDICAL-
SURGICAL SPECIALTIES

Master's Degree in Medicine and Surgery

Academic Year 2021/2022 - 5° Year

CLINICA MEDICA CHIRURGICA DEGLI ORGANI DI SENSO. ODONTOSTOMATOLOGIA - channel 4

6 CFU - 2° Semester

Teaching Staff

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Office Hours: Lunedì- Mercoledì - Venerdì dalle ore 8:30 alle ore 09:30

LEARNING OBJECTIVES

▪ Dentistry

The teaching is set up to guide and improve the student's approach to the patient with various non-specific pathologies at the level of the oral cavity or the craniofacial region and who needs a therapy aimed at the symptom, as well as a diagnosis and therapy aimed at responsible pathology. Specific objectives are: 1) To reach and obtain the optimal skills in the dental, medical and surgical management of the patient affected by odontostomatological diseases. 2) Reach and obtain the best skills in the diagnosis, prevention and medical and surgical therapy of mucous and bone pathologies of the oro-maxillofacial area.

Specifically, the course is designed to provide the graduate in Medicine and Surgery with the basic notions of epidemiology, diagnosis, prevention and therapy of dental caries, pulp diseases, apical

periodontitis, abscesses and peri-maxillary and perimandibular phlegmons. The student must acquire the ability to diagnose the most common painful pathologies of odontogenic origin and learn the fundamentals of their medical treatment, with the dosage of the most commonly administered drugs. The student must also know the useful notions to perform a dental reimplantation and direct the patient to the following dental therapy and acquire the general notions that lead to the diagnosis of a malocclusion, prescribing the most appropriate radiological tests.

The acquired skills will lead the student to develop a critical capacity on the topics dealt with using the skills actively for diagnostic and therapeutic purposes in the management of the patient suffering from odontostomatological diseases.

- **Eye Disease**

to provide knowledges on the pathophysiology, symptoms and signs of the diseases of the eye and of the visual system in children and adults

to give expertise in clinical diagnosis, functional and instrumental semeiotics, medical and surgical therapy.

- **Otorhinolaryngology**

Knowledge of the notions of specialist anatomy-physiology and of the main pathologies of the ear, nose and paranasal sinuses, pharynx, larynx and salivary glands.

COURSE STRUCTURE

- **Dentistry**

Lectures accompanied by slides and videos and supplemented by discussion of the topics covered in order to train students in a critical capacity on the topics and allow them to acquire a knowledge suitable for odontostomatological management in the patient affected by specific pathologies of the oro-maxillofacial area. Final exam with oral exam.

Cooperative teaching (student-teacher)

If the teaching is given in a mixed or remote mode, the necessary changes may be introduced with respect to what was previously stated, in order to comply with the program envisaged and reported in the syllabus.

- **Eye Disease**

traditional lectures

Should teaching be carried out in mixed mode or remotely, it may be necessary to introduce changes with respect to previous statements, in line with the programme planned and outlined in the syllabus.

- **Otorhinolaryngology**

Frontal lessons or Microsoft Teams with power point

DETAILED COURSE CONTENT

▪ **Dentistry**

Medical management with the knowledge of guidelines, operational protocols and pharmacological aspects of the patient suffering from odontostomatological diseases. In particular:

- Characteristics and function of the stomatognathic system
- Outline of the anatomy of the dental elements: structure and function
- Pathology of dentition: neodontary syndrome and disodontiasis of the third molars
- Dental eruption and exchange, Anomalies from the time of dental eruption
- Anomalies of the teeth: of shape, volume, number, structure, position and seat
- Acquired lesions of the hard tissues of the tooth: abrasions, erosions
- Dental traumatology (dislocations and fractures)
- Dental caries: epidemiology - etiopathogenesis - macro and microscopic pictures of enamel and dentin caries. Carious cavities: prevention, fillings, therapeutic options
- Pulpopathies: classification, etiopathogenesis, symptoms, diagnosis and therapy
- Periodontal disease: etiopathogenesis, symptoms, diagnosis and therapy
- Periodontal diseases: etiopathogenesis, pathological picture, symptoms, diagnosis and therapy
- Odontogenic osteitis of the jaws; abscesses and perioral phlegmon
- Stomatomucositis
- Dental malocclusions and Angle's classification.
- Outline of anatomy, physiology, pathology and therapy of the temporomandibular joint
- Soft tissue tumors of the oral cavity
- Cystic neoformations of the maxillary bones and odontogenic tumors
- Bisphosphonate osteonecrosis of the jaws

▪ **Eye Disease**

ANATOMY AND OCULAR PHYSIOLOGY.

OCULAR SEMEIOTICS.

REFRACTION AND AMBLYOPIA

STRABOLOGY: concomitant and paralytic strabismus

PATHOLOGY OF ORBIT AND ANNEXES: Exophthalmos - Blepharitis - Conjunctivitis - Dacriocistitis.

CORNEAL PATHOLOGY: Keratitis - Keratoconus.

PATHOLOGIES OF THE LENS

PRIMARY AND SECONDARY GLAUCOMA: Pathophysiology of hydrodynamics of aqueous humor, diagnostics and therapy of glaucoma.

UVEAL PATHOLOGIES: Uveitis

RETINAL DISEASES: Macular degeneration - Vascular pathology - Retinal detachment - Diabetic retinopathy - Hypertensive retinopathy - Retinopathy of Prematurity (ROP) - other types of

retinopathy.

PATHOLOGIES OF THE OPTIC NERVE: papillitis, retrobulbar neuritis, hemianopsia, quadrantanopsia, cortical blindness.

OCULAR TUMORS: melanoma - retinoblastoma

OCULAR TRAUMATOLOGY: Foreign bodies - Corneal lesions - Acute retinal damages - Mechanical injuries of the ocular globe.

▪ **Otorhinolaryngology**

Inflammatory and neoplastic ENT disease. Principles of clinical and instrumental diagnosis. Principles of medical and surgical treatment.

TEXTBOOK INFORMATION

▪ **Dentistry**

1. VALLETTA G - MATARASSO S - MIGNOGNA MD: Malattie Odontostomatologiche. Editore: Piccin
2. FICARRA G: Manuale di patologia e medicina orale 3/ed. Editore: McGraw-Hill Italia
3. GOMBOS F - SERPICO R: Clinica Odontoiatrica e Stomatologica - Testo-atlante a colori di patologia e medicina orale per medici e odontoiatri. Editore: Piccin

▪ **Eye Disease**

S. Miglior, T. Avitabile, S. Bonini, E. Campos, L. Mastropasqua: "Malattie dell'apparato visivo" - 2014, EdiSES s.r.l. Napoli.

Jack J: KANSKI: "Oftalmologia Clinica" - Elsevier Italia Srl, 2004 (edizione italiana a cura di R. Brancato, C. Azzolini)

▪ **Otorhinolaryngology**

1. G. Rossi. Trattato di Otorinolaringoiatria. Edizioni Minerva Medica
 2. E. De Campora, P. Pagnini. Otorinolaringoiatria. Ed. Elsevier
 3. Maurizio Maurizi, "Clinica otorinolaringoiatrica. Basi anatomo-funzionali, patologiche e cliniche delle grandi sindromi e delle malattie.
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