

**VI year (1<sup>st</sup> semester)  
A.Y. 2021-22**

| Scientific Field | <b>SPECIALISTIC DISCIPLINES</b> | TUTOR                   | ECTS |
|------------------|---------------------------------|-------------------------|------|
| MED/28           | Dentistry                       | Gargari Marco           | 1    |
| MED/30           | Ophthalmology                   | Nucci Carlo             | 1    |
| MED/30           | Ophthalmology                   | Manni Gianluca          | 1    |
| MED/31           | Otorhinolaryngology             | Di Girolamo Stefano     | 1    |
| MED/31           | Otorhinolaryngology             | Giacomini Piergiorgio   | 1    |
| MED/32           | Audiology                       | Passali Francesco Maria | 1    |
|                  |                                 | TOT                     | 6    |

**NUCCI C.  
COORDINATOR**

### **OTORHINOLARYNGOLOGY**

The course aims at improving the knowledge of the disorders of the head-neck district. The physiopathological mechanisms of the nose-paranasal district, of the middle ear, the common pathological processes associated with swallowing and postural control are treated with particular care.

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|-----------------|---|
| LARYNX          | Anatomy, physiopathology and semeiotics of the larynx. Tracheotomy indications and technique. Acute and chronic laryngitis. Benign and malignant tumors of the larynx. Recurring paralysis. Tracheo-bronchial and upper digestive tract infections.   |
| SALIVARY GLANDS | Acute and chronic sialadenitis. Benign and malignant tumors of salivary glands.   |
| NECK            | Cyst and neck fistulas. Primary and secondary cervical lateral adenopathies.  |
| NOSE            | Anatomy, physiology and semeiotics of nose and paranasal sinuses. Nasal septal pathology, trauma of the nose. Acute and chronic Rhinitis. Allergic and vasomotor rhinitis. Nasal polyps. Epistaxis. Acute and chronic sinusitis and their complications. Mucocele. Tumors of the nose and paranasal sinuses. Nose-facial and cranial algic syndromes. |
| PHARYNX         | Anatomy of the cranial nerves and nerve complications of rhinopharyngeal tumors.  |
| AUDIOLOGY       | Gaining the knowledge of audio-vestibular apparatus, physiopathology and hearing and balance testing techniques.  |
| TOPICS          | <ul style="list-style-type: none"> <li>• Acoustics physics</li> </ul>   |

- Audiovestibular apparatus anatomy-physiology
- Vestibular testing
- Acumetry
- Subjective audiometry
- Objective audiometry
- External ear pathology
- Middle ear pathology
- Inner ear pathology

## **DENTISTRY**

Aim: The aim of the course in Odontostomatological Diseases and Oral Cavity Pathologies is to give future doctors the basis to diagnose and understand pathologies affecting oral and perio-oral tissues, being supported by dentists and maxillo-facial surgeon.

- Anatomy and embryology of the jaw and teeth
- Congenital malformations of the jaw and teeth
- Physiopathology of dental eruption
- Dento-maxillary malocclusions
- Dental cavities and pathologies of the pulp
- Gingivostomatitis
- Periodontal disease
- Periodontitis and odontogenic inflammation of the jaw
- Pathology from focal stimuli
- Cysts of the jaws
- Tumors of odontogenic tissues
- Oral pre-cancerous lesions
- Neoplasms not odontogenic
- Neoplasms of the jaws

## OPHTHALMOLOGY

- Dental fractures
- Odontostomatological prevention

- Anatomy of the eye
- Physiology of the eye and vision.
- Concepts of optic physics.
- Refractive defects (myopia, hypermetropia and astigmatism) and their correction (lens, contact lens and refractive surgery).
- Corneal diseases: keratitis, corneal ectasias.
- Conjunctival diseases
- Lens diseases: ectopia lentis, cataract.
- Glaucoma
- Uveitis
- Retinal vascular disease
- Acquired macular disorders
- Hereditary retinal dystrophies
- Retinal detachment
- Neuro-ophthalmology (optic neuropathies, pupillary abnormalities, nystagmus)
- Strabismus
- Diseases of the eyelids
- Diseases of the lacrimal drainage system
- Dry eye
- Ocular tumor

EXAM

ORAL EXAM

TEXTBOOKS

Kansky's Clinical Ophthalmology, A Systematic Approach, 8<sup>th</sup> edition. Brad Bowling Ed. Elsevier 2016

Shafer'S Textbook Of Oral Pathology (8th Edition)[R. Rajendran](#)

Oral Pathology (7th Edition) Clinical Pathologic Correlations Authors: Regezi Sciubba Jordan

EXAM COMMISSION

The Coordinator, full Professors of the disciplines, Professors of similar disciplines, Specialists of the subject, compose the exam Commission of the Integrated Course.

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|-------------------------|
| Nucci Carlo, President  |
| Manni Gianluca          |
| Di Girolamo Stefano     |
| Giacomini Piergiorgio   |
| Passali Francesco Maria |
| Gargari Marco           |

## CONTACTS

|                         |                                 |            |
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| Gargari Marco           | Marco.gargari@gmail.com         |            |

PREREQUISITES: Previous knowledge and competence in the following subjects: Anatomy, Physiology, Pharmacology, General Pathology, General Surgery, Internal Medicine

The specific learning outcomes of the program are coherent with the general provisions of the Bologna Process and the specific provisions of EC Directive 2005/36/EC. They lie within the European Qualifications Framework (Dublin Descriptors) as follows:

### **1. Knowledge and Understanding**

- Assess the physiologic principles, which govern the function of the main body systems and the alterations induced by functional and structural abnormalities.
- Describe the main aspects of general pathology and explain the physiopathologic mechanisms underlying the concept of benign and malignant disorders as well as reversible and irreversible cellular damage
- Demonstrate knowledge about the mechanism of cell cycle maintenance and regulation, the factors affecting it and their consequences.
- Understand the core principles of acute and chronic inflammation in relation to the molecular, systemic and clinical aspects.
- Relate the general principles, terminology, and modes of spreading of disease to the study of Systemic Pathology and the ways in which pathology contributes to the understanding of patient presentation in a clinical setting.
- Focus on each organ and describe the pathogenesis of the main disease.
- Correlate basic disease states studied at a cellular and gross anatomic level with the overt clinical signs and symptoms seen in those disorders.
- Learn to interpret appropriate laboratory and diagnostic studies.

## 2. **Applying Knowledge and Understanding**

- Apply the diagnostic procedure in pathology, through introduction of the differential diagnostic methods at the clinical level.
- Apply a basic understanding of histopathology and morbid anatomy to the examination of microscopic sections and gross specimens, respectively, displaying pathologic processes.
- Provide a differential diagnosis based on specific clinical data, providing a comprehensive explanation of the underlying reasoning.
- Learn the practical aspects of the pathologic diagnostic instruments, when to use them and how to perform them.

## 3. **Making Judgements**

- Recognize the importance of an in-depth knowledge of the topics consistent with proper medical education.
- Identify the fundamental role of proper theoretic knowledge of the subject in the clinical practice.

## 4. **Communication Skills**

- Present the topics orally in an organized and consistent manner.
- Use of proper scientific language coherent with the topic of discussion.

## 5. **Learning Skills**

- Identify the possible use of the acknowledged skills in the future career.
- Assess the importance of the acquired knowledge in the overall medical education process.