



UNIVERSITÀ DEGLI STUDI DI PALERMO

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| DEPARTMENT | Biomedicina, Neuroscienze e Diagnostica avanzata | | |
| ACADEMIC YEAR | 2018/2019 | | |
| BACHELOR'S DEGREE (BSC) | ORTHOTICS AND OPHTHALMOLOGIC CARE | | |
| INTEGRATED COURSE | APPLIED MEDICAL SCIENCES - INTEGRATED COURSE | | |
| CODE | 16901 | | |
| MODULES | Yes | | |
| NUMBER OF MODULES | 2 | | |
| SCIENTIFIC SECTOR(S) | MED/09, MED/31 | | |
| HEAD PROFESSOR(S) | AVERNA MAURIZIO | Professore Ordinario | Univ. di PALERMO |
| OTHER PROFESSOR(S) | AVERNA MAURIZIO | Professore Ordinario | Univ. di PALERMO |
| | FERRARA SERGIO | Ricercatore | Univ. di PALERMO |
| CREDITS | 6 | | |
| PROPAEDEUTICAL SUBJECTS | | | |
| MUTUALIZATION | | | |
| YEAR | 2 | | |
| TERM (SEMESTER) | 2° semester | | |
| ATTENDANCE | Mandatory | | |
| EVALUATION | Out of 30 | | |
| TEACHER OFFICE HOURS | AVERNA MAURIZIO | | |
| | Thursday | 12:00 14:00 | U.O.C: di Medicina Clinica, Respiratoria e delle Urgenze |
| TEACHER OFFICE HOURS | FERRARA SERGIO | | |
| | Monday | 08:00 10:00 | Clinica Otorinolaringoiatricasergio.ferrara@unipa.it |

DOCENTE: Prof. MAURIZIO AVERNA

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| PREREQUISITES | Good knowledge of the basics of anatomy and physiology of the cardiovascular system, kidney and urinary tract, upper and lower respiratory tract, endocrine organs, the digestive system and of the sense organs. |
| LEARNING OUTCOMES | Knowledge and ability to understand. Knowing the general principles of internal medicine and otolaryngology disease with particular emphasis on diseases with ocular involvement. Capacity to apply knowledge and understanding. Being able to correlate symptoms and signs related to diagnostic pathways regarding internal medicine and diseases of ear, nose and paranasal sinuses, recognizing when it has the possible correlations with eye diseases. Making judgments. Being able to evaluate the implications and the results in the diagnosis and treatment of the disease. Enable communicative. Ability to expound the principles of pathology and the correlation with the eye even to a non-expert public. Capacity learning. Ability to upgrade with the consultation of scientific publications in the field. |
| ASSESSMENT METHODS | Learning evaluation will be carried out by performing an oral test during which each teacher will ask two questions. Students with excellent knowledge of teaching contents; with high analytical and synthetic capabilities and able to apply their knowledge to solve problems of high complexity will have a vote from 30/30 to 30/30 cum laude; to those who demonstrate excellent knowledge of teaching contents, excellent language control ; with high analytical and synthetic skills and able to apply their knowledge to solve problems with medium and, in some cases , even higher complexity will be graded between 27 and 29. Students with a good knowledge of teaching content, good language control and able to apply their knowledge to solve problems of medium a complexity will be given a vote of 24 to 26. The students with average knowledge of teaching contents, in some cases limited to the main topic; acceptable ability to use the specific discipline language of the discipline and independently apply the acquired knowledge will pass the oral exam with a vote of between 21 and 23. Those who will show a minimum teaching content knowledge often limited to the main topic; modest ability to use the subject specific language and independently apply the acquired knowledge will have a mark between 18 and 20, while students do not possess an acceptable knowledge of the main teaching content; very little or no ability to use the specific subject language and independently apply the acquired knowledge will not pass |
| TEACHING METHODS | Teacher-led lessons. |

MODULE INTERNAL MEDICINE

Prof. MAURIZIO AVERNA

SUGGESTED BIBLIOGRAPHY

IL MANUALE MERCK DI DIAGNOSI E TERAPIA. 19 ° EDIZ. ILLUSTRATA DI ROBERT S. PORTER
MEDICINA INTERNA DI NETTER DELLA MASSON-EDRA, (CURATORI DELL'EDIZIONE ITALIANA: MANNUCCI,
SALERNO).
SLIDES DELLE LEZIONI

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| AMBIT | 10320-Primo soccorso |
| INDIVIDUAL STUDY (Hrs) | 45 |
| COURSE ACTIVITY (Hrs) | 30 |

EDUCATIONAL OBJECTIVES OF THE MODULE

Knowledge and ability 'to understand.
Knowing the general principles of internal medicine with particular emphasis on diseases with ocular involvement. Capacity 'to apply knowledge and understanding.
Being able to correlate symptoms and signs related to diagnostic pathways regarding internistic diseases, recognizing when it has the possible correlations with eye diseases.
Making judgments.
Being able to evaluate the implications and the results in the diagnosis and treatment of the disease.
Enable 'communicative.
Ability 'to expound the principles of pathology and the correlation with the eye even to a non-expert public.
Capacity 'learning.
Ability 'to upgrade with the consultation of its scientific publications.

SYLLABUS

| Hrs | Frontal teaching |
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| 6 | Diabetes mellitus: classification, clinical manifestations, micro- and macrovascular complications. Diabetic ophthalmopathy. |
| 6 | Arterial hypertension: classification, pathophysiology, target organs and complications; blood pressure measurements techniques. Hypertensive retinopathy. General principles of antihypertensive treatment. |
| 6 | Clinical and pathophysiological aspects of kidney diseases. Acute and chronic renal failure |
| 6 | Clinical and pathophysiological aspects of endocrine diseases. Thyroid diseases. Ocular signs of thyroid diseases. Ophthalmopathy due to Graves' disease. |
| 3 | OCULAR MANIFESTATIONS OF SYSTEMIC DISEASES. BASIC LIFE SUPPORT |
| 3 | Rheumatologic and autoimmune diseases - Ocular aspects of main rheumatologic diseases |

MODULE OTORHINOLARYNGOLOGY

Prof. SERGIO FERRARA

SUGGESTED BIBLIOGRAPHY

Dispense del Docente

Manuale Di Otorinolaringoiatria- M.Rossi, S. Restivo, G. Cortesina- Ed.Grasso

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| AMBIT | 10324-Scienze interdisciplinari e cliniche |
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| INDIVIDUAL STUDY (Hrs) | 45 |
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| COURSE ACTIVITY (Hrs) | 30 |
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EDUCATIONAL OBJECTIVES OF THE MODULE

The student at the end of the teaching of otorinolaringoiatria module must be able to:

- Possess the skills 'professional and the basic knowledge needed to recognize the symptoms and functional alterations of the ear nose and throat diseases more' frequently observed in clinical practice and in professional life
- Know the main conventional ENT research methods and child and understand the clinical-diagnostic significance
- Know the essential basics to run a ENT visit for a proper diagnosis.

SYLLABUS

| Hrs | Frontal teaching |
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| 4 | Anatomy of districts and expertise equipment ENT (nose and sinuses, ear, oral cavity, pharynx and larynx) |
| 4 | Pathophysiology of the nose and paranasal sinuses (snoring, acute and chronic inflammatory processes, nasosinusale polyposis, sinusitis, adenoid vegetations, benign and malignant tumors) |
| 4 | Pathophysiology ear (hearing test - tone audiometry and impedance - acute and chronic otitis media, processes osteodistrophic processes-otosclerosis) |
| 4 | Pathophysiology of the oral cavity (birth defects - cleft lip and palate - glossitis and stomatitis, benign and malignant tumors) |
| 4 | Pathophysiology of the salivary glands (acute and chronic sialadenitis, Sialolithiasis, benign and malignant tumors) |
| 4 | Pathophysiology of the nasopharynx (acute and chronic pharyngitis, angine specific and non-specific, tonsillitis, OSAS) |
| 4 | Pathophysiology of the larynx (benign growths - nodules, polyps, Reinke's edema, papillomas - malignant tumors) |
| 2 | Head and neck principles of surgical oncology |