

INTEGRATED TEACHING SHEET Dermatology and Plastic Surgery

Master's Degree in Medicine and Surgery

Integrated teaching: Dermatology and Plastic Surgery
SSD :MED/35, MED/19

Verbalizing teacher name: **Picardo Mauro** 3 CFU MED/35;

Hermatology :D module

SSD :MED/35

Number of CFU: **3**

Teacher name: **Mauro Picardo** mauro.picardo@unicamillus.org

Module :Plastic Surgery

SSD :MED/19

Number of CFU: **1**

Name of the teacher: **Barbara Cagli** b.cagli@policlinicocampus.it

Teacher Name : **Maurizio Valeriani** segreteria.valeriani@gmail.com

PREREQUISITES

There are no prerequisites for the course. However, it is essential that the student has the basic notions of anatomy, histology, biology and immunology

EDUCATIONAL OBJECTIVES: The integrated course of Dermatology and Plastic Surgery aims to provide the student with the basic elements for the clinical approach to the patient with dermatological and venereological pathologies through the learning of the dermatological clinical methodology, which includes the execution of a correct anamnesis (general and dermatological) and the objective skin examination, and the evaluation of elementary skin lesions. Dermatological diseases with a higher prevalence in the population, and therefore commonly observed by the family doctor, and severe skin diseases linked to systemic diseases, will be treated (pathogenesis, clinic, diagnosis and principles of therapy). The pathologies will be addressed starting from the pathophysiological mechanisms, so that a link is created with the notions on the biological mechanisms learned in the previous courses. In addition, a diagnostic-therapeutic approach to the patient that takes into account evidence-based dermatology will be illustrated. The student will also be provided with the basic indications for the diagnosis, prophylaxis and therapy of the main venereal diseases.

EXPECTED LEARNING OUTCOMES

Knowledge and understanding:

Knowledge of the anatomy and physiology of the skin and skinlands;

Know the elementary lesions of the skin

To know the clinical characteristics of the main dermatological diseases with an infectious inflammatory and oncological nature

Know the pathogenetic mechanisms of the main dermatological diseases.

Learning of the main methods of non-invasive instrumental diagnostics and of the main medical and surgical therapies of dermatological competence.

At the end of the course the student must be able to

- carry out a correct medical history and skin physical examination,
- have the ability to integrate all the information collected through the anamnesis, the physical examination and the clinical-instrumental investigations, for a plausible interpretation of the clinical picture and the formulation of a diagnostic hypothesis.
- evaluate and integrate the characteristics of the dermatological clinical picture with the general state of the patient through a multidisciplinary approach.
- know the basics of dermatological therapies.
- know the basics of surgical approaches to skin and adnexal tumors, possible reconstructions and possibilities for aesthetic improvement.
- independently set up a topical and/or systemic or surgical treatment

Applying knowledge and understanding: The general objective of the integrated course of dermatology and plastic surgery is to learn the procedure to arrive at a diagnosis of dermatological diseases and the choice of the possible therapeutic strategy. The course aims to induce a reasoning ability starting from the patient's anamnesis, the examination of the morphological aspects of skin manifestations and the evaluation of the symptoms to make a correct diagnosis. At the end of the course the student will have acquired the tools to understand and explain the pathogenetic mechanisms that underlie the main dermatological diseases.

Communication skills: The student will be able to adequately describe the clinical manifestations of the main dermatological diseases, their possible pathogenesis and the medical and / or surgical treatments, demonstrating that he has learned an appropriate language for the purpose of correct and rigorous communication with colleagues and with the patient

Making judgments: At the end of the course the student will have learned the fundamental knowledge on dermatological diseases and on the possible medical and surgical treatments. He/she will be able to independently develop the logical procedures and diagnostic strategies that allow the patient to be framed. He will have acquired the ability to synthesize and correlate the various symptoms and critically use the results of laboratory investigations carried out with non-invasive and histological methods.

Learning skills: The student will have acquired adequate learning skills and methods for the deepening and improvement of their skills in the field of dermatology and plastic surgery, also through the consultation of scientific literature

PROGRAM

DERMATOLOGY

Fundamentals of anatomy and physiology of the skin, appendages and visible mucous membranes

Methodology and specialized semeiotics, elementary skin lesions

Bacterial diseases (erysipelas, cellulitis, furuncle, impetigo, folliculitis, Gram-intertrigo, scarlet fever)

Mycotic diseases (dermatophytosis, pityriasis versicolor, candidiasis)

Viral diseases (herpes simplex, shingles, chickenpox, HPV diseases, molluscum contagiosum,)

Ectoparasitosis: scabies, pediculosis, insect bites

Sexually transmitted diseases

Acne, rosacea

Eczematous diseases (atopic dermatitis, contact dermatitis, seborrheic dermatitis)

Urticaria and angioedema

Psoriasis

Autoimmune bullous diseases (pemphigus, pemphigoids, dermatitis herpetiformis)

Connective tissue diseases (Lupus erythematosus, scleroderma, dermatomyositis), vasculitis, erythema nodosum

Reactions from common drugs (rashes, fixed erythema)

Severe drug reactions (PEAG, Stevens-Johnson syndrome, Lyell syndrome)

Skin ulcers

Angiomas and vascular malformations

Benign proliferative lesions (seborrheic keratosis, papillomas, fibroids)

Epithelial neoplasms (actinic keratosis, squamous cell epithelioma, basal cell epithelioma)

Sarcoma di Kaposi

Cutaneous lymphomas

Nevi and melanoma

General concepts of dermatological therapy

Chirurgia Plastica

Burns-

Flaps and grafts

Autologous breast reconstruction- Heterologous breast reconstruction-

Surgical Treatment of Skin Tumors

AESTHETIC SURGERY **Aesthetic Surgery** (Body, face, breast) : (Body, **Face, Breast**)

Selecting Patients for Aesthetic Surgery

Sedazione (**Sedation for Aesthetic Surgery**)

Mastoplastica Additiva e Riduttiva (**Augmentation Mammoplasty and Breast Reduction**)

Mastopessi (**Mastopexy**)

Addominoplastica (**Abdominoplasty**)

Lifting facciale e Blefaroplastica (**Facelift and Blepharoplasty**)

Rhinoplasty

Infiltrativi (**Injection**)

Medicina Rigenerativa (**Regenerative surgery**)

Cicatrizzazione (**Scarring**)

TEACHING METHODS

The course is divided into lectures, 30 hours of Dermatology and 10 hours of Plastic Surgery. Teachers use teaching tools such as presentations organized in PowerPoint files with explanatory diagrams, illustrations and images to describe the various dermatological pathologies. Films and animations will be used for integration of surgical processes. Discussions of simulated cases are planned. Attendance is mandatory.

HOW TO TEST LEARNING

The exam consists of two parts: a written test and an oral test. The written test consists of multiple choice questions, with only one correct answer, on topics covered in class. The student answers 30 questions of Dermatology (each correct answer is given a score of 1) and 15 questions of Plastic Surgery (each correct answer is given a score of 2).

To access the oral exam the student must have achieved at least 18/30 in both subjects. The written exam is a barrier or selection test; It is in the oral exam that the student is given the opportunity to demonstrate his preparation by discussing the topics of the course, to reason on aspects of skin physiology and problems related to the pathogenesis, diagnosis and therapy of the main dermatological pathologies demonstrating that he has acquired the ability to express himself with an adequate scientific medical language. The final evaluation will be based mainly on the outcome of the oral exam.

RECOMMENDED TEXTS AND BIBLIOGRAPHY

Rook's Dermatology Handbook di Ingram. John R. , Ph.D. Simpson, Rosalind C. Wile Blackwell

eds 2022

Fitzpatrick's Dermatology in General Medicine 9th Edition 2019 [McGraw-Hill Education](#)

PLASTIC SURGERY :

Handbook of Plastic, Reconstructive and Aesthetic Surgery

Scuderi - Rubino - Edition 2014 Piccin

Plastic, Reconstructive and Aesthetic Surgery

Faga - Edizione III 2008 Elsevier – Masson

Surgery, Reconstructive and Aesthetic Plastic

V.Cervelli –B. Longo – 2021 Edition Pacini Legal

Plastic and Aesthetic Regenerative Surgery and Fat Grafting

Amin Klaaji - Volume I Edition 2022 Springer