

VI year (1 <sup>st</sup> semester)	Scientific Field	DERMATOLOGY AND PLASTIC SURGERY	TUTOR	ECTS
	MED/19	Plastic Surgery	Cervelli Valerio	1
	MED/35	Dermatology	Giunta Alessandro	1
	MED/35	Dermatology	Campione Elena	1
<b>Cervelli V. COORDINATOR</b>			TOT	3

This course is designed for students interested in learning a comprehensive integrated structured dermatology database. It will develop the ability to examine a core curriculum of skin diseases, understand the methods of differential diagnosis and techniques for skin testing, and formulate a diagnostic and therapeutic plan of treatment.

## **DERMATOLOGY**

Basic Knowledge of normal skin physiology and pathophysiology of skin diseases

Clinical and diagnostic principles of major skin disorders :

Infective

Neoplastic (classification of pigmented and non pigmented lesions, melanoma and non melanoma skin cancers),

Immunoinflammatory (psoriasis, atopic dermatitis, lupus, dermatomyositis, scleroderma)

Sexually transmitted diseases

Cutaneous manifestations of internal disease

## **PLASTIC SURGERY**

-Ability to recognize the most frequent congenital and acquired deformities of plastic reconstructive and aesthetic surgery's competence and elements of therapy.

-Tissue Injury and Repair; Surgical Techniques and Wound Management; Management of Grafts, Flaps, Perforator Flaps, Tissue Expansion, Fat Grafting and Adipose-Derived Stem Cells.

-Local Anesthetics.

-Application of Lasers in Plastic Surgery.

-Management of malignant disease: Malignant Skin and Soft Tissue Lesions, Benign Skin Lesions, Squamous Cell Carcinoma of the Head and Neck, Neck Masses and Salivary Gland Neoplasms.

-Principles of Head and Neck Reconstruction: Eyelid Reconstruction, Nasal Reconstruction, Lip and Cheek Reconstruction, Congenital Ear and Ear Reconstruction, Scalp and Calvarial Reconstruction.

-Facial Paralysis

-Management of congenital craniofacial deformities: Cleft Lip, Cleft Palate, Craniosynostosis and Craniofacial Syndromes.

-Facial Trauma.

-Orthognathic Surgery.

-Rhinoplasty: functional and aesthetic aspects

-Evaluation and Surgical Management of Facial Aging: Surgical strategies in the upper, middle and lower third of the face; "mini-invasive treatments in Facial Rejuvenation.

-Abdominal Surgery and Body Contour after bariatric surgery and large thinness.

-Breast surgery: Reduction Mammoplasty, Augmentation Mammoplasty, and Mastopexy.

-Medicine and regenerative surgery.

-Management of Thermal Injury, Electrical and Chemical Burns

EXAM

ORAL EXAM

TEXTBOOKS

Braun-Falco's Dermatology Editors: Burgdorf, W., Plewig, G., Wolff, H.H., Landthaler, M. (Eds.)

Michigan Manual of Plastic Surgery, Brown, David L., M.D. e Borschel, Gregory H., M.D.

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.

Cervelli Valerio, President
Giunta Alessandro
Campione Elena
Pascale Michele

CONTACTS

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**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 pathiopathologic 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 skin diseases 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 skin and describe the pathogenesis of the main diseases.
- 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 skin diseases, 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.