



ENDOCRINOLOGIA E DERMATOLOGIA

8 CFU - 1° Semester

Teaching Staff

ALDO EUGENIO CALOGERO - Module ENDOCRINOLOGY AND DERMATOLOGY - Module ENDOCRINOLOGY - MED/13 - 2 CFU

Email: acaloger@unict.it

Office: Policlinico "G. Rodolico", Edificio 4, Piano 2

Phone: 095-3782641

Office Hours: Per appuntamento

GIUSEPPE MICALI - Module Skin disorders and sexually transmitted diseases - MED/35 - 2 CFU

Email: cldermct@gmail.com

Office: Edificio 4 Policlinico Gaspare Rodolico

Phone: 095321705

Office Hours: su appuntamento

LINA MARIA GUELI - Module MED 47 ENDOCRINOLOGY AND DERMATOLOGY - NURSING AND GYNECOLOGICAL SCIENCES Module - MED/47 - 2 CFU

Email: linamariagueli@libero.it

Office: Policlinico catania via Santa Sofia 76 pad 3 piano -1

Phone: 3466062329

Office Hours: Martedì dalle ore 12 alle ore 14

FABIO GALVANO - Module SCIENZE TECNICHE DIETETICHE APPLICATE - MED/49 - 2 CFU

Email: fgalvano@unict.it

Office: Torre Biologica "F. Latteri", Torre Est, 4° Piano

Phone: 095.4781156

Office Hours: Mercoledì 10-12

LEARNING OBJECTIVES

▪ ENDOCRINOLOGY AND DERMATOLOGY - Module ENDOCRINOLOGY

Basic formative targets:

- Fundamental knowledge of anatomy and physiology of endocrine and metabolic system; of mechanisms causing endocrine and metabolic diseases.
- **Formative targets of the class:**
- Acquisition of the fundamental theoretical knowledge needed for comprehension of endocrine system diseases (including pediatric and pubertal endocrinology, endocrine diseases of the elder and endocrinology and physiopathology of human reproduction), andrological diseases (prevention of couple infertility and techniques related to assisted

reproduction) and metabolic diseases (childhood diabetes, gestational diabetes, prevention and management of chronic complications of diabetes mellitus, obesity, dyslipidemia);

- Acquisition of the knowledge related to functional and instrumental endocrine/metabolic semeiotic;
- Acquisition of the theoretical knowledge needed to recognize the main diseases which constitute endocrine and metabolic emergencies;
- Acquisition of the theoretical knowledge related to endocrine and metabolic aspects of childhood diseases, including congenital and neonatal disendocrine and dismetabolic forms of childhood and adolescence;
- Acquisition of the theoretical knowledge related to endocrine alterations responsible for defects of reproductive activity of male and female, including infectious, disendocrine, dismetabolic aspects of couple infertility;
- Acquisition of the theoretical knowledge related to diagnosis of tumor diseases of endocrine glands and hormone-dependent tumors;
- Acquisition of the theoretical knowledge related to epidemiology, prevention, differential diagnosis of the different forms of obesity and thinness;
- Acquisition of the theoretical knowledge relative to epidemiology and primary and secondary prevention, diagnosis of the various forms of diabetes mellitus, including childhood diabetes and gestational diabetes, and diagnostic prevention and multidisciplinary treatment of risk factors for chronic complications of diabetes (ocular, renal, cardiovascular, etc.);
- Acquisition of theoretical knowledge related to the prevention and diagnosis of lipid metabolism diseases.

▪ **Skin disorders and sexually transmitted diseases**

The teaching of Cutaneous and Venereal Diseases aims primarily to provide the basics of anatomy and physiology of the skin, of visible mucous membranes and skin appendages, whose knowledge is essential for a correct clinical and diagnostic assessment. The student is then guided to the identification and classification of primary skin lesions and of the corresponding cutaneous disorders. In addition, the basic knowledge of the most modern diagnostic techniques allowing a rational and correct diagnosis will be provided. The histopathological correlations and the appropriate treatment options will also be considered. The course will finally focus on occupational dermatoses, skin cancer, and venereology (sexual transmitted diseases).

▪ **MED 47 ENDOCRINOLOGY AND DERMATOLOGY - NURSING AND GYNECOLOGICAL SCIENCES Module**

The student must know the evolution of childbirth, the maneuvers of care delivery, obstetric care in childbirth eutocico

▪ **SCIENZE TECNICHE DIETETICHE APPLICATE**

The course is aimed to provide main knowledge of human nutrition, food properties, nutrients and their digestion, absorption and metabolism.

COURSE STRUCTURE

▪ **ENDOCRINOLOGY AND DERMATOLOGY - Module ENDOCRINOLOGY**

- Class attendance: Mandatory
- Teaching material: Slide presentation during lessons
- Exam test: Oral exam at the end of the course

- **Skin disorders and sexually transmitted diseases**

Lessons and clinical cases.

- **MED 47 ENDOCRINOLOGY AND DERMATOLOGY - NURSING AND GYNECOLOGICAL SCIENCES Module**

FRONTAL LESSONS

- **SCIENZE TECNICHE DIETETICHE APPLICATE**

- Introduction
- Mediterranean diet
- Obesity and metabolic syndrome: etiopathology and epidemiology
- Nutrients: Fats, proteins, carbohydrates, fiber, vitamins, minerals
- Foods: meats and fisheries; milk and derivatives, eggs, cereals and derivatives, legumes, fruits and vegetables, water and beverages

- Bromatological data banks

- Supplements
- Digestion-absorption and metabolism of nutrients
- Metabolism, Energy balance, physical activity
- Body Composition
- Nutritional Guidelines

DETAILED COURSE CONTENT

- **ENDOCRINOLOGY AND DERMATOLOGY - Module ENDOCRINOLOGY**

- Basics of Endocrinology
- Hypothalamic diseases and Hypopituitarism
- Pituitary adenomas, acromegaly
- Hyperprolactinemic syndromes
- Anatomy and physiology of thyroid
- Hypothyroidism and Hyperthyroidism
- Thyroiditis
- Thyroid nodular diseases
- Thyroid in pregnancy
- Testicle diseases, seminal fluid exam, male infertility
- Ovary diseases, hirsutism, polycystic ovary syndrome
- Adrenal diseases: hypofunction, hyperfunction and congenital adrenal hypertrophy
- Endocrine pancreas diseases: Diabetes mellitus type 1, Diabetes mellitus type 2, Acute and chronic complications of diabetes mellitus, Diabetes in pregnancy
- Other endocrine diseases: Obesity, Lipid metabolism disorders, Hypoglycemia
- Endocrine-metabolic comas

- **Skin disorders and sexually transmitted diseases**

Anatomy of the skin

Semiology of the skin, diagnostic techniques

Primary, secondary and pathognomonic skin lesions

Erythematous dermatoses (*Rosacea, Fixed drug eruption*)

Macular dermatoses (*Vitiligo, Vascular malformations*)

Wheals and urticarial erythematous lesions (*Urticaria, Erythema multiforme*)

Vesicular dermatoses (*Atopic dermatitis, Contact dermatitis, Herpes simplex, Herpes zoster*)

Bullous dermatoses (*Impetigo, Pemphigus vulgaris, vegetans, foliaceus and seborrhoeic, Bullous pemphigoid, Dermatitis herpetiformis, Herpes gestationis, Linear IgA dermatitis, Mucous membrane pemphigoid, Epidermolysis bullosa*)

Pustular dermatoses (*Acne vulgaris, Pyodermitis*)

Papular dermatoses (*Lichen ruber planus, Tuberosus sclerosis, Human Papillomavirus infections, Molluscum contagiosum, Seborrhoeic keratosis*)

Nodular dermatoses (*Cutaneous Leishmaniasis, Kaposi's sarcoma, Haemangiomas, Erythema nodosum, Neurofibromatosis*)

Erythematous-desquamative dermatoses (*Psoriasis, Erythroderma, Seborrhoeic dermatitis, Pityriasis rosea*)

Ectoparasitoses (*Scabies, Pediculosis*)

Fungal infections (*Tinea, Candidiasis, Pityriasis versicolor*)

Connective tissue diseases (*Systemic lupus erythematosus, Discoid lupus erythematosus, Scleroderma, Dermatomyositis*)

Benign and malignant melanocytic lesions (*Congenital and acquired nevi, Melanoma*)

Precancerous lesions, In situ carcinomas and Invasive carcinomas (*Basal cell carcinoma, Squamous cell carcinoma*)

Sexual transmitted diseases (*Syphilis, Gonorrhoea, Non-gonococcal urethritis, Chancroid, Lymphogranuloma venereum*)

▪ **MED 47 ENDOCRINOLOGY AND DERMATOLOGY - NURSING AND GYNECOLOGICAL SCIENCES Module**

Obstetric emergencies:

risk assessment

obstetric diseases

shoulder dystocia

breech

PP bleeding

▪ **SCIENZE TECNICHE DIETETICHE APPLICATE**

▪ Introduction

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TEXTBOOK INFORMATION

- **ENDOCRINOLOGY AND DERMATOLOGY - Module ENDOCRINOLOGY**

- Endocrinologia: Malattie del Metabolismo. Autori vari. Edizioni Idelson-Gnocchi, Napoli. 2017 ISBN 8879476572
- Uniendo. Lenzi A, Lombardi G, Martino E, Vigneri R. Minerva Medica. First Edition. 2010. ISBN 13978-88-7711-693-2

- **Skin disorders and sexually transmitted diseases**

G. Micali, M.C. Potenza, G. Fabbrocini, G. Monfrecola, A. Tosti, S. Veraldi (eds.) Le basi della dermatologia. Seconda Edizione. Springer-Verlag Italia. Milano, 2014.

- **MED 47 ENDOCRINOLOGY AND DERMATOLOGY - NURSING AND GYNECOLOGICAL SCIENCES Module**

Pescetto -De cecco- Manuale di ostetricia e ginecologia ed Seu 2009- Disciplina ostetrica MC Graw Hill

- **SCIENZE TECNICHE DIETETICHE APPLICATE**

1. Teacher notes
2. Gianfranco Liguri. Nutrizione e Dietologia. Zanichelli Editore