

## MEDICINE RESIDENCY I (ML0146)

### 1. language

English.

### 2. contenuti/course contents

Coordinator: Prof. GIACCARI ANDREA

Year Course: 4° Year

Semester: 1° Semester

UFC: 13

Modules and lecturers:

- ENDOCRINE AND METABOLIC DISEASES (ML0147) - 3 cfu - ssd MED/13

Prof. Peter Fenici, Francesca Cinti, Alfredo Pontecorvi, Andrea Giaccari

- ENDOCRINE AND METABOLIC DISEASES PROFESSIONAL TRAINING (ML0152) - 1 cfu - ssd MED/13

Prof. Francesca Cinti, Sabrina Chiloiro, Teresa Mezza, Antonio Bianchi

- GASTROENTEROLOGY (ML0148) - 3 cfu - ssd MED/12

Prof. Alfredo Papa, Ivo Boskoski, Luca Miele, Franco Scaldaferrì, Giovanni Cammarota, Gianluca Ianiro, Cristiano Spada

- GASTROENTEROLOGY PROFESSIONAL TRAINING (ML0151) - 2 cfu - ssd MED/12

Prof. Maria Assunta Zocco, Cristiano Spada, Ivo Boskoski, Marco Biolato, Giovanni Cammarota, Luca Miele, Alfredo Papa, Maria Elena Riccioni, Franco Scaldaferrì, Gianluca Ianiro, Francesca Romana Ponziani

- HEMATOLOGY (ML0149) - 3 cfu - ssd MED/15

Prof. Andrea Bacigalupo, Stefan Hohaus, Elena Rossi, Gina Zini, Patrizia Chiusolo, Luca Laurenti, Luciana Teofili

- HEMATOLOGY PROFESSIONAL TRAINING (ML0150) - 1 cfu - ssd MED/15

Prof. Elena Rossi, Andrea Bacigalupo, Luciana Teofili, Luca Laurenti, Stefan Hohaus, Patrizia Chiusolo

### 3. BIBLIOGRAPHY

Harrison's principles of internal medicine, McGraw Hill, 20th Edition

Optional readings:

Hematology: Clinical Cases Uncovered, Wiley 2nd Edition

Endocrinology and Diabetes: Clinical Cases Uncovered, Wiley

Gastroenterology: Clinical Cases Uncovered, Wiley

### 4. LEARNING OBJECTIVES

Students are expected to work towards meeting the following objectives:

1. History skills. Gather the important information needed for the Endocrinology & Metabolism, Gastroenterology and Hematology history and complete a history in the medical record for at least 8 patients.
2. Physical examination skills. Complete a pertinent Endocrinology & Metabolism,

Gastroenterology and Hematology physical examination on at least 30 patients. The student should demonstrate the ability to perform this pertinent physical examination while being observed by at least one attending or fellow.

3. Knowledge/diagnostic and treatment skills: Know about common endocrine, metabolic, gastroenterological and hematologic conditions.

4. Attitude: Demonstrate professional responsibility in working as a team member with other members of the Endocrinology & Metabolism, Gastroenterology and Hematology care team, patients and families.

## 5. prerequisites

A pass on all the third-year exams.

## 6. metodi didattici/TEACHING METHODS

Lectures. Self-learning, problem-based learning, practical training, group activities.

## 7. OTHER INFORMATIONS

*None.*

## 8. METHODS FOR VERIFYING LEARNING AND FOR EVALUATION

The exam is composed of multiple-choice questions (test items) regarding all modules. Students might be assessed through Intermediate Tests. Items to be administered during the Intermediate Tests will address issues related to the content of each discipline (modules) and the number of items for each discipline will be proportional to the number of CFU/hours administered during the course. In order to pass the exam, students must pass all the Intermediate Tests.

## 9. program

### **Endocrinology and Metabolic Diseases**

Physiology of Anterior Pituitary Hormones and Hypopituitarism

Anterior Pituitary Tumor Syndromes

Disorders of the Neurohypophysis

Disorders of the Thyroid Gland

Disorders of the Testes and Male Reproductive System

Hypercorticism (including Cushing's Disease)

Other disorders of the Adrenal Cortex

Pheochromocytoma and secondary hypertension

Multiple Endocrine Neoplasia

Disorders of Sex Development

Disorders of the Female Reproductive System

Menopause and Postmenopausal Hormone Therapy

Bone and Mineral Metabolism in Health and Disease

Disorders of the Parathyroid Gland and Calcium Homeostasis, Osteoporosis, Paget's Disease and

Other Dysplasias of Bone

Biology, Evaluation and Management of Obesity

The Metabolic Syndrome

Autoimmune Polyendocrine Syndromes

Diabetes Mellitus: Diagnosis, Classification, and Pathophysiology

Type 1 Diabetes Mellitus

Type 2 Diabetes Mellitus

Diabetic Complications

Hypoglycemia and Disorders of Lipoprotein Metabolism

### **Gastroenterology**

Approach to the Patient with Gastrointestinal Disease

Gastrointestinal Endoscopy - Video Atlas of Gastrointestinal Endoscopy

Gut Microbiota and related Diseases  
Diseases of the Esophagus, Peptic Ulcer Disease and Related Disorders  
Disorders of Absorption, Diarrhea  
Inflammatory Bowel Disease  
Irritable Bowel Syndrome  
Diverticular Disease  
Emerging Infectious Colitis  
Colon and Rectal Cancer  
Gastrointestinal bleeding  
Approach to the Patient with Liver Disease  
Acute Viral Hepatitis  
Chronic Hepatitis  
Alcoholic Liver Disease  
Nonalcoholic Fatty Liver Diseases and Nonalcoholic Steatohepatitis; Drug-Induced Hepatitis  
Portal Hypertension and Ascites  
Liver Cirrhosis  
Liver Cancer  
Diseases of the Gallbladder and Bile Ducts  
Approach to the Patient with Pancreatic Disease  
Acute and Chronic Pancreatitis  
Pancreatic Cancer

## **Hematology**

Hemopoiesis  
The white cells: granulocytes, monocytes and their benign disorders  
Myelodysplasia  
Aplastic anemia and bone marrow failure  
Stem cell transplantation  
Erythropoiesis and general aspects of anemia  
Genetic disorders of hemoglobin  
The white cells<sup>2</sup>: lymphocytes and their benign disorders  
Blood transfusion  
Pregnancy and neonatal hematology  
Hypochromic anemias  
Iron overload  
Megaloblastic anemias and other macrocytic anemias  
The chronic lymphoid leukemias  
The spleen  
The etiology and genetics of hematological malignancies  
Management of hematological malignancy  
Hodgkin lymphoma  
Non-Hodgkin lymphoma  
Hematological changes in systemic disease  
The non-leukemic myeloproliferative neoplasms  
Multiple myeloma and related disorders  
Platelets, blood coagulation and hemostasis  
Bleeding disorders causes by vascular and platelet abnormalities  
Coagulation disorders  
Thrombosis and antithrombotic therapy  
Acute myeloid leukemia  
Chronic myeloid leukemia  
Acute lymphoblastic leukemia