

## PATOLOGIA E SISTEMATICA DELL'ADDOME (MG0150)

### 1. language

Italian

### 2. course contents

Coordinator: Prof. GIOVANNI CAMMAROTA

Year Course: 4th

Semester: 1st

UFC: 9

Modules and lecturers:

GASTROENTEROLOGY (MG0186) - 3 ufc - sds MED/12

Boskoski Ivo, Cammarota Giovanni, Ianiro Gianluca, Miele Luca, Milani Alessandro, Papa Alfredo, Scaldaferrì Franco, Spada Cristiano, Zocco M. Assunta.

GENERAL SURGERY (MG0184) - 3 ufc - sds MED/18

Biondi Alberto, Coco Claudio, Crucitti Antonio, Familiari Pietro, Perri Vincenzo, Persiani Roberto, Riccioni M. Elena, Rosa Fausto, Sofo Luigi, Tringali Andrea.

UROLOGY (MG0481) - 2 ufc - sds MED/24

Pinto Francesco, Racioppi Marco, Sacco Emilio.

APPLIED DIETARY TECHNICAL SCIENCES (MG000023) - 1 ufc - sds MED/49

Capristo Esmeralda, Mele Cristina, Rinninella Emanuele.

### 3. bibliography

Students can choose one or more reference texts among those recommended, and in the recommended texts select the chapters of interest based on the specific topics of the program.

#### Module 1:

UNIGASTRO 20229-2025. Digestive Diseases 2022-25 edition.

Harrison, Principi di Medicina Interna, XV edizione e successive, McGraw Hill (Malattie Gastrointestinali, Malattie del Fegato e delle Vie Biliari, Malattie del Pancreas).

#### Module 2:

R. Dionigi. Chirurgia. Basi teoriche e chirurgia generale. Settima Edizione, 206. Edra.

C.M. Townsend. Sabiston Textbook of Surgery: The Biological Basis of Modern Surgical Practice. W B Saunders Co. Eds. 21st edition

#### Module 3:

J. W. McAninch, T.F. Lue. Smith and Tanagho's General Urology. McGraw-Hill Education. 19th Edition 2020.

Bassi P.F. Urologia. Cortina Padova Libreria Internazionale 2008 - ISBN:9788877843029.

#### Module 4:

Fatati G, Amerio ML. Dietetica e Nutrizione. Clinica, Terapia e Organizzazione. Terza Ed. Il Pensiero Scientifico 2018. (Selection of the chapters of interest)

Riccardi G, Pacioni D, Giacco F, Rivellesse A. Manuale di Nutrizione Applicata, V Edizione. Idelson Gnocchi 2021. (Selection of the chapters of interest)

L. Sobotka. ESPEN Blue Book. Basics in Clinical Nutrition. Fifth Edition, 2019. (Selection of

the chapters of interest).

#### 4. learning objectives

The course aims to introduce the essential elements relating to nosography, etiopathogenesis and pathophysiology, pathological and clinical picture, diagnosis, complications, prevention and general lines of medical and surgical therapy of the main pathologies affecting the digestive and urological systems, as well as the essential dietary elements aimed at nutritional aspects in the relative clinical contexts.

The aim of the course is to provide the elements to critically evaluate and correlate symptoms, physical signs, anatomical-pathological lesions, functional alterations, relating to the various diseases covered by the course.

In addition, essential elements will be provided to identify the most appropriate diagnostic investigations (both laboratory and instrumental) in the various clinical scenarios, helping to reach the correct diagnosis.

A specific training objective is aimed at elucidating scientific skills and language suitable for supporting arguments and discussions on clinical issues in the field of digestive and urological system diseases, and applied dietary sciences, and to be able to relate to interlocutors and health professionals specializing in diseases of the digestive system and in the wider field of internal medicine and general surgery.

Students will have the educational basis to achieve sufficient autonomy of clinical judgment for the differential diagnosis of various pathologies in the field of digestive and urological diseases, and the correct application of dietary concepts in various clinical contexts.

#### 5. PREREQUISITES

An essential prerequisite is to have passed the exams required by the study plan within the first 3 years of the course.

#### 6. teaching methods

The teaching will be delivered through lectures. Students will be offered the essential elements relating to etiopathogenesis, pathophysiology, clinic, diagnosis, complications, prevention and general lines of medical and surgical therapy of the main pathologies affecting the digestive and urological systems, as well as the essential dietary elements aimed at dietary aspects in related clinical contexts. Practical examples of clinical scenarios will also be illustrated, in which therapeutic approaches, diagnostic and therapeutic failures and innovative approaches will be shown.

Through practical examples of clinical cases, the student will develop the autonomy of judgment that will allow him to evaluate the quality of clinical management. Knowledge and understanding will be assessed.

#### 7. other informations

At the end of each lecture, teachers will be available for any specific requests and clarifications from the students.

Lessons will be delivered in two channels, namely the students are divided into two groups, respectively 1 (A-L) and 2 (M-Z), whose teachers are divided as follows:

**GASTROENTEROLOGY:** Group 1: Boskoski Ivo, Ianiro Gianluca, Miele Luca, Milani Alessandro, Papa Alfredo, Scaldaferrì Franco, Spada Cristiano. Group 2: Boskoski Ivo, Cammarota Giovanni, Ianiro Gianluca, Miele Luca, Milani Alessandro, Scaldaferrì Franco, Spada Cristiano, Zocco M. Assunta.

**GENERAL SURGERY:** Group 1: Biondi Alberto, Familiari Pietro, Persiani Roberto, Riccioni M. Elena, Sofo Luigi. Group 2: Coco Claudio, Crucitti Antonio, Perri Vincenzo, Rosa Fausto, Tringali

Andrea.

UROLOGY: Group 1: Pinto Francesco, Sacco Emilio. Group 2: Pinto Francesco, Racioppi Marco, Sacco Emilio.

APPLIED DIETARY TECHNICAL SCIENCES: Group 1: Capristo Esmeralda, Mele Cristina, Rinninella Emanuele. Group 2: Capristo Esmeralda, Mele Cristina, Rinninella Emanuele

## 8. methods for verifying learning and for evaluation

At the end of the course there is an oral exam. Students will be assessed, by a joint mixed commission from the pool of teachers of the course, about the actual achievement of the teaching objectives, with the verification of the profit (articulated on the four specific modules of the course) expressed with a final score out of thirty. The maximum score (30/30 cum laude) will be achieved by candidates capable of presenting the essential clinical aspects relating to the main pathologies affecting the the digestive system (both from a clinical gastroenterological and surgical point of view) and the urological apparatus, as well as the main notions of dietary science applied to the main gastrointestinal pathologies. Students will have to provide proof of having assimilated the fundamental elements taught by the course and of being able to articulate an adequate differential diagnosis between similar clinical conditions.

Passing the exam implies passing all four modules of which the course is composed. The final score will come from the average (not weighed) of the scores obtained in the four modules, with rounding of the decimal points .5-.9 to the highest score. Any laude acquired in at least one of the four modules will be reported in the final score in the case of an average of 30 points. In the event that the average of the scores obtained in the four modules is less than 30, any laude obtained in each of the four modules will be worth an additional whole point to the final average score.

## 9. program

Nosography, etiopathogenesis and pathophysiology, anatomo-pathological and clinical picture, diagnosis, complications, prevention and general lines of medical and surgical therapy of the following pathologies:

**GASTROENTEROLOGY:** Pathologies of esophageal motility; achalasia; hiatal hernias, esophagitis and gastroesophageal reflux disease; Barrett's esophagus; Mallory-Weiss and Boerhaave's syndromes; gastritis; Helicobacter pylori infection; peptic ulcer disease and its complications; esophageal cancer; gastric cancer; intestinal malabsorption; celiac disease and gluten sensitivity; inflammatory bowel diseases and their complications; microscopic colitis; eosinophilic gastroenteritis; infectious colitis; gut microbiota; intestinal bacterial overgrowth syndrome; irritable bowel disease; constipation; diarrhea; short bowel syndrome; non-alcoholic fatty liver disease; acute and chronic hepatitis; liver cirrhosis, ascites and portal hypertension and complications; acute and chronic liver failure; cholestasis and cholecystitis; cholelithiasis and their complications; cysts and abscesses of the liver; acute and chronic pancreatitis; neoplastic pathology of the liver; cholangiocarcinoma; neoplastic pathology of the pancreas; cystic lesions of the pancreas; neuroendocrine tumors of the digestive system; cancer prevention in gastroenterology; diagnostic and operative digestive endoscopy; breath testing in gastroenterology.

**GENERAL SURGERY:** Pathologies of the esophagus and hiatal hernias; traumatic and caustic esophageal injuries; hernias of the abdominal wall and diaphragm; gastrointestinal bleeding; acute abdomen; appendicitis; peritonitis and pathology of the peritoneum; Meckel's diverticulum; volvulus; diverticular disease of the colon and its complications; mesenteric infarction; ischemic colitis; retroperitoneal fibrosis; pathology of the spleen; intestinal obstructions; intestinal polyps and polyposis; anorectal pathologies: hemorrhoids, fissures, fistulas, abscesses, rectal prolapse; gastrointestinal cancer; role of surgery in inflammatory bowel diseases.

**UROLOGY:** Malformations of the urinary system and of the male genital system; trauma of the urinary tract and of male genital tract; neoplasms of the urinary system and of the male genital system; bladder neck disease; obstructive pathology of the upper and lower urinary tract; urolithiasis; infections of the urinary tract and of male genital tract; benign diseases of the male

genital system; neurological bladder; urinary incontinence; sexology; male fertility; erectile dysfunction; uro-gynecology; urological emergencies; imaging in urology; new techniques in urology.

**APPLIED DIETARY TECHNICAL SCIENCES:** Malnutrition; techniques for measuring body composition and energy balance; evaluation of the nutritional status; techniques for measuring energy expenditure; enteral and parenteral nutrition; refeeding syndrome; nutrition in diseases of the digestive system.