



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2024/2025		
MASTER'S DEGREE (MSC)	MEDICINE AND SURGERY		
INTEGRATED COURSE	EMERGENCY-URGENCY, PERIOPERATIVE MEDICINE AND PALLIATIVE CARE - INTEGRATED COURSE		
CODE	23494		
MODULES	Yes		
NUMBER OF MODULES	3		
SCIENTIFIC SECTOR(S)	MED/09, MED/18, MED/41		
HEAD PROFESSOR(S)	GIARRATANO ANTONINO	Professore Ordinario	Univ. di PALERMO
	RAINERI SANTI MAURIZIO	Professore Associato	Univ. di PALERMO
	NARDI EMILIO	Professore Associato	Univ. di PALERMO
OTHER PROFESSOR(S)	GIARRATANO ANTONINO	Professore Ordinario	Univ. di PALERMO
	PALMERI DI VILLALBA CESIRA	Ricercatore	Univ. di PALERMO
	BARBAGALLO CARLO MARIA	Professore Associato	Univ. di PALERMO
	NARDI EMILIO	Professore Associato	Univ. di PALERMO
	SALAMONE GIUSEPPE	Professore Associato	Univ. di PALERMO
	RAINERI SANTI MAURIZIO	Professore Associato	Univ. di PALERMO
	ROMANO GIORGIO	Professore Ordinario	Univ. di PALERMO
	CANINO BALDASSARE	Ricercatore	Univ. di PALERMO
CREDITS	10		
PROPAEDEUTICAL SUBJECTS	17459 - SURGERY PROPAEDEUTICS AND SYSTEMATICS - INTEGRATED COURSE		
MUTUALIZATION			
YEAR	6		
TERM (SEMESTER)	1° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<p>BARBAGALLO CARLO MARIA Tuesday 13:00 14:00 DIBIMIS</p> <p>CANINO BALDASSARE Monday 12:00 14:00 dibimis</p> <p>GIARRATANO ANTONINO Monday 11:30 13:30 Direzione Anestesia in fase pandemica Teams Classe :https://teams.microsoft.com/channel/19%3a7103086b8274457c86866f9ea34bec8a%40thread.tacv2/Generale?groupId=ad16c954-0866-4766-9eb6-c116d3e1817d&tenantId=bf17c3fc-3ccd-4f1e-8546-88fa851t</p> <p>NARDI EMILIO Wednesday 12:00 14:00 Laboratorio di Ecocardiografia presso Medicina Interna (Prof.Averna)</p> <p>PALMERI DI VILLALBA CESIRA Wednesday 10:00 12:00 istituto anestesia primo piano stanza del docente</p>		

	<p>RAINERI SANTI MAURIZIO</p> <p>Wednesday 14:30 18:30 Istituto di Anestesia e Rianimazione Policlinico "P. Giaccone" Palermo. 1° Piano.E' Gradita Mail per Conferma</p> <p>ROMANO GIORGIO</p> <p>Monday 13:00 14:00 U.O.C. Chirurgia Generale e d'Urgenza</p> <p>Wednesday 13:00 14:00 U.O.C. Chirurgia Generale e d'Urgenza</p> <p>SALAMONE GIUSEPPE</p> <p>Monday 12:00 14:00 U.O.C. Chirurgia Generale e d'Urgenza Policlinico Universitario "P. Giaccone"Via L. Giuffre n°5 - Palermo</p> <p>Wednesday 12:00 14:00 U.O.C. Chirurgia Generale e d'Urgenza Policlinico Universitario "P. Giaccone"Via L. Giuffre n°5 - Palermo</p>
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DOCENTE: Prof. ANTONINO GIARRATANO- Sede *CHIRONE*

PREREQUISITES	Clinical knowledge of medical and surgical pathology. Pharmacology
LEARNING OUTCOMES	at the end of the course the student must demonstrate knowledge and capacity of understanding regarding the anesthesia techniques, CPR as well as the action and use of emergency medications , efficacia mechanism. know made rational choices about drug therapies, anesthesia and intensive care to be applied in various pathological conditions, taking into account the specific characteristics of individual patient and in optics for a proper avaluation of the benefit-cost ratio. judgment: integrate knowledge , making judgment based on incomplete or limited information, but that include reflecting on the responsibilities related to the application of its knowledge and judgment as regards the applications of the same in the field of resuscitation and pharmacological. learn to listen carefully to understand and synthetize information on all drug problems, anesthesia and resuscitation and know then communicate the content effectively in both oral and written form. be able to gather and organize, properly interpret information about drug for anesthesia and resuscitation by the different resources and databases. He must also know the general principles of palliative care and the general management guidelines for palliative care
ASSESSMENT METHODS	Esame orale o Testa in forma scritta
TEACHING METHODS	at the end of the course the student must demonstrate knowledge and capacity of understanding regarding the anesthesia techniques, CPR as well as the action and use of emergency medications , efficacia mechanism. know made rational choices about drug therapies, anesthesia and intensive care to be applied in various pathological conditions, taking into account the specific characteristics of individual patient and in optics for a proper avaluation of the benefit-cost ratio. judgment: integrate knowledge , making judgment based on incomplete or limited information, but that include reflecting on the responsibilities related to the application of its knowledge and judgment as regards the applications of the same in the field of resuscitation and pharmacological. learn to listen carefully to understand and synthetize information on all drug problems, anesthesia and resuscitation and know then communicate the content effectively in both oral and written form. be able to gather and organize, properly interpret information about drug for anesthesia and resuscitation by the different resources and databases

DOCENTE: Prof. EMILIO NARDI- Sede IPPOCRATE

PREREQUISITES	Knowledge of Clinical Pathologies and of Clinical Pharmacology
LEARNING OUTCOMES	<p>Expected learning outcomes describe how much a student needs to know, understand and be able to do at the end of the learning process, in line with what the Dublin Descriptors provide for and defined by the CdS (Tablet PCs CDS: A4 b1, b2 , C).</p> <ol style="list-style-type: none">1) knowledge of physiopathology, clinical and therapeutic elements of major diseases of interest in Urgency and Surgical Medicine as well as Anesthesiology and resuscitation.2) Understanding the main clinical and diagnostic elements of internally, surgical and anesthesiologic-occurring diseases3) ability to apply the acquired gnoseological elements (knowledge) to differential diagnosis and to the organization of a diagnostic algorithm for major diseases of interest in Urgency and Surgical Medicine as well as Anesthesiology and Resuscitation.4) Autonomy of judgment5) communicative abilities of the results of the gnoseological process6) Appreciation skills from the suggested texts based on both lessons learned and on the basis of a typical self-learning process that should characterize the student's study process in a university course
ASSESSMENT METHODS	<p>The student's assessment involves an oral test in which three or five topics are discussed between lessons learned or given to the student's learning and are indicated in the course program (specify the type and scope of the questions Exam score) (taxonomy or rating): starting with the vote of 18/30 given when the goals achieved are at least elementary, up to the vote of 30/30 with any praise, how much the goals are achieved In an excellent way, as specified later.</p> <p>Compensatory tools and dispensatory measures will be guaranteed by the Disability and Neurodiversity Center - University of Palermo (Ce.N.Dis.) to students with disabilities and neurodiversity, based on specific needs and in implementation of current legislation.</p>
TEACHING METHODS	teacher-led/teacher up front) classes/lessons

DOCENTE: Prof. SANTI MAURIZIO RAINERI- Sede HYPATIA

PREREQUISITES	The student must have complete knowledge of the physiological functions and pathophysiological mechanisms of acute pathologies of the cardiovascular, respiratory and neurological systems.
LEARNING OUTCOMES	At the end of the course the student must demonstrate knowledge and understanding regarding anesthetic techniques, cardio-pulmonary resuscitation as well as the mechanism of action, use and effectiveness of emergency drugs. Ability to apply rational choices regarding pharmacological, anesthetic and resuscitation therapies in various disease conditions, taking into account the specific characteristics of individual patients and with a view to a correct evaluation of the cost-benefit ratio. Making judgements: Integrate knowledge, make judgments on the basis of limited or incomplete information, including reflection on responsibilities related to the application of knowledge in resuscitation and pharmacology. Communication skills: being able to communicate effectively in emergencies according to Crisis Resource Management recommendations, being able to listen to understand and summarize relevant information on pharmacological, anesthetic and resuscitation problems. Learning Skills: Be able to collect, organize and correctly interpret information relating to drugs, anesthesia and resuscitation techniques from the different resources and databases available.
ASSESSMENT METHODS	<p>TYPE OF ASSESSMENT Oral assessment.</p> <p>This assessment is used to evaluate the student's knowledge and understanding of the programme content, independent judgement, ability to apply acquired knowledge and specific technical terminology. The student will have to answer a minimum of four questions posed orally which will focus on the subjects covered in the programme, making reference to suggested texts.</p> <p>ASSESSMENT CRITERIA</p> <p>The assessment grades are given as numerical scores awarded out of a possible 30 points, and as follows:</p> <p>30 - 30 cum laude - ECTS grades: Excellent (A – A+) Result: Excellent knowledge of the taught subject matter. The student demonstrates good analytic-synthetic capabilities and is able to apply knowledge to resolve highly complex problems</p> <p>27 – 29 – ECTS grades: Very good (B) Result: Very good knowledge of the taught subject matter and good use of language. The student demonstrates analytic-synthetic capabilities and is able to apply knowledge to resolve some complex problems.</p> <p>24 – 26 – ECTS grades: Good (C) Result: Good knowledge of the taught subject matter and good use of language. The student is able to apply knowledge to resolve problems of medium complexity.</p> <p>21 – 23 – ECTS grades: Satisfactory (D) Result: Reasonable knowledge of the taught subject matter, in some cases limited to the main topics. Acceptable use of technical language and capacity to apply acquired knowledge independently.</p> <p>18 – 20 – ECTS grades: Sufficient (E) Result: Minimal knowledge of the taught subject matter, often limited to the main topics. Modest use of technical language and some capacity to apply acquired knowledge independently.</p> <p>1 – 17 – ECTS grades: Fail (F) Result: Unacceptable knowledge of the taught subject matter. Little or no use of technical language and capacity to apply acquired knowledge independently. Exam failed.</p> <p>Compensatory tools and dispensatory measures will be guaranteed by the Disability and Neurodiversity Center - University of Palermo (Ce.N.Dis.) to students with disabilities and neurodiversity, based on specific needs and in implementation of current legislation.</p>
TEACHING METHODS	Lectures

MODULE
ANAESTHESIOLOGY, INTENSIVE CARE AND PALLIATIVE CARE

Prof. ANTONINO GIARRATANO - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

Testi consigliati

Antonino Giarratano, Mariachiara Ippolito, Andrea Cortegiani,
Santi Maurizio Raineri, Cesira Palmeri
Fondamenti di Anestesia, Medicina perioperatoria e Medicina Critica
Piccin editore

Tiberio-Randazzo et al Emergenze Medico Chirurgiche Elsevier Masson Edit. E. ROMANO, Anestesia - I Principi e le Tecniche, UTET. P. ROSEN, Emergency Medicine, vol. I, II, Mosby, II edizione. R.D. MILLER, Anesthesia, Churchill Livingstone, III edizione. J.M. CIVETTA, Critical Care, J.B. Lippincott, Philadelphia, 1988. Textbook of Advanced Cardiac Life Support, American Heart Association, II edizione. Health Care Provider's Manual for Basic Life Support, American Heart Association. Critical Care Diagnosis & Treatment, edited by F.S. Bongard & D.Y. Sue, Lange Medical Book. Emergency Diagnosis & Treatment, edited by C.E. Saunders & M.T. Ho, Lange Medical Book. NOVELLI ET AL., Anestesia, Rianimazione ed Emergenze Medico-Chirurgiche, Gnocchi, Napoli, 1995

AMBIT	50410-Emergenze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	60
COURSE ACTIVITY (Hrs)	40

EDUCATIONAL OBJECTIVES OF THE MODULE

Versione inglese

At the end of the course the student must demonstrate knowledge and capacity of understanding regarding the anesthesia techniques, CPR as well as the use of emergency medications. Is able to made rational choices about drug therapies, anesthesia and intensive care to be applied in various pathological conditions, relatively to the specific characteristics of patient and a proper avaluation of the benefit-cost ratio. Making judgment based on incomplete or limited information, including reflection on the responsibilities related to the application of his knowledge. Learn to listen carefully to understand and synthesize information on all drug problems, anesthesia and resuscitation and know then communicate the content effectively in both oral and written form. be able to gather and organize, properly interpret information about drug for anesthesia and resuscitation by the different resources and databases

SYLLABUS

Hrs	Frontal teaching
2	Invasive and Non Invasive monitoring in critical area
2	Intravenous and inhaled Generale Anesthesia
2	Regional Anesthesia
4	Cardiac Arrest and ILS (Intermediate Life Support)
4	Primary and secondary survey of trauma patients
2	Coma and neuro-critical care
2	Emergency in major burn, drowness, frostbite and electrocution
2	Shock Syndrome
2	Sepsis and Septic shock
2	Hypoxemic and Hypercapnic Respiratory Failure
4	Priciples and Practice of invasive and non-invasive ventilation
2	Nursing in acute and chronic pain

**MODULE
EMERGENCY MEDICINE**

Prof. BALDASSARE CANINO - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

Medicina D'urgenza Pratica e Progresso. Valerio Grai, C.G. Edizioni Medico Scientifiche. ISBN10: 8871103130

AMBIT	50416-Clinica generale medica e chirurgica
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INDIVIDUAL STUDY (Hrs)	45
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COURSE ACTIVITY (Hrs)	30
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EDUCATIONAL OBJECTIVES OF THE MODULE

The objective of the Module is the description of taxonomy, epidemiology, etiopathogenesis, natural history, differential diagnosis, clinical phenomenology and management therapeutic of the most frequent acute pathologies in Emergency Medicine

SYLLABUS

Hrs	Frontal teaching
5	the endocrine-metabolic syndromes (thyroid disorders , thyrotoxicosis , diabetic coma)
1	Regular serological parameters . Acid base balance , fluid and electrolyte balance, coagulation.
1	The levy arterioso- Venous - venous access sampling.
4	major clinical syndromes involving the respiratory system (bronchial asthma , pneumothorax , respiratory failure , chest pain , hemoptysis , pulmonary embolism)
5	the cardiovascular system (acute coronary syndromes , shock , acute pulmonary edema , cardiac tamponade , hypertensive crisis , heart failure , syncope , aortic dissection)
3	the gastrointestinal tract (abdominal pain , vomiting and haematemesis)
3	renal tract (renal failure)
3	orientation on main support to be implemented in emergency procedures
5	acute and chronic respiratory failure, diagnosis and therapy

MODULE EMERGENCY MEDICINE

Prof. CARLO MARIA BARBAGALLO - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

- Manuale di Medicina D'Urgenza, Della Corte F et al., Ed. Mc Graw Hill.
- Emergenze Medico-Chirurgiche, Tiberio G et al.; Ed. Masson.
- Medicina D'urgenza e Pronto Soccorso, Coraggio F et al., Ed. Gnocchi.
- Diagnosi e Trattamento delle Emergenze medico-chirurgiche, Andreoni B et al., Ed. Elsevier-Masson.
- Medicina di Emergenza-Urgenza, Ferrari AM et al, Ed. Elsevier.
- Medicina di emergenza e di pronto soccorso, Balzanelli MG, Ed. Edra
- Medicina di Emergenza-Urgenza, Casagrande I, Cavazza M, Magnacavallo A, Ed. Gnocchi
- Il tascaMEU, Casagrande I, Cavazza ; Ed. Gnocchi
- Atlante delle Procedure di Area Critica, Demetriades D, Inaba K, Lumb PD, Ed. Idelson Gnocchi
- Urgenze ed emergenze, Chiaranda M, Ed. PICCIN
- Harrison - Principi di Medicina Interna
- Materiale didattico ed appunti delle lezioni del docente.

AMBIT	50416-Clinica generale medica e chirurgica
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

The primary objective in the selection of topics of the Emergency Medicine module is furnishing the student the knowledge, practical skills and appropriate attitudes to handle the patient in the primary purpose of his well-being. The student must know know methods of clinical diagnosis, methodological approach and principles of emergency/urgent therapy based on the etiology and pathophysiology that raised the event morbid.

Expected learning outcomes describe how much a student needs to know, understand and be able to do at the end of the learning process, in line with what the Dublin Descriptors provide for and defined by the CdS (Tablet PCs CDS: A4 b1, b2 , C).

- 1) knowledge of physiopathology, clinical and therapeutic elements of major diseases of interest in Urgency Medicine.
- 2) Understanding the main clinical and diagnostic elements of internal emergencies.
- 3) ability to apply the acquired gnoseological elements (knowledge) to differential diagnosis and to the organization of a diagnostic algorithm for major diseases of interest in Urgency Medicine
- 4) Autonomy of judgment
- 5) communicative abilities of the results of the gnoseological process
- 6) Appreciation skills from the suggested texts based on both lessons learned and on the basis of a typical self-learning process that should characterize the student's study process in a university course

Compensatory tools and dispensatory measures will be guaranteed by the Disability and Neurodiversity Center - University of Palermo (Ce.N.Dis.) to students with disabilities and neurodiversity, based on specific needs and in implementation of current legislation.

SYLLABUS

Hrs	Frontal teaching
1	Clinical approach to Emergency Medicine
1	Cardiogenic, hypovolemic, anaphylactic and septic shock.
1	DIC
1	Consciousness disorders and coma states
1	Vertigo, dizziness and syncope
1	Acid-base balance disorders
1	Hydro-electrolytic disorders
1	Acute complications of diabetes: ketoacidosis, lactic acidosis and hyperosmolar coma, hypoglycemic coma
1	Acute chest pain
1	Acute dyspnea
1	Acute coronary syndrome
1	Acute pulmonary edema and heart failure
1	Pulmonary embolism
1	Hypertensive urgencies and emergencies
1	Pulse-pounding and arrhythmias
1	Cardiological emergencies: pericarditis, myocarditis, endocarditis
1	COPD
1	Bronchial asthma
1	Acute respiratory failure
1	Acute liver failure and acute complications of cirrhosis
1	Portosystemic encephalopathy
1	Acute alcohol intoxication and alcohol withdrawal syndromes

1	Acute renal failure
1	Mixedematosa crisis, thyrotoxicosis and adrenal emergencies
1	Fever and infectious emergencies
1	Hypothermia and frostbite
1	Acute hemorrhagic syndromes
1	Abdominal, lumbar and lower limbs pain
1	Hematologic emergencies: leucopenia, thrombocytopenia, anemia and blastic crisis
1	Diarrhoea and vomiting

MODULE EMERGENCY MEDICINE

Prof. EMILIO NARDI - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

Manuale di Medicina D'Urgenza, Della Corte F et al., Ed. Mc Graw Hill.
 - Emergenze Medico-Chirurgiche, Tiberio G et al.; Ed. Masson.
 - Medicina D'urgenza e Pronto Soccorso, Coraggio F et al., Ed. Gnocchi.
 - Diagnosi e Trattamento delle Emergenze medico-chirurgiche, Andreoni B et al., Ed. Elsevier-Masson.
 - Medicina di Emergenza-Urgenza, Ferrari AM et al, Ed. Elsevier.
 - Medicina di emergenza e di pronto soccorso, Balzanelli MG, Ed. Edra
 - Medicina di Emergenza-Urgenza, Casagrande I, Cavazza M, Magnacavallo A, Ed. Gnocchi
 - Il tascaMEU, Casagrande I, Cavazza ; Ed. Gnocchi
 - Atlante delle Procedure di Area Critica, Demetriades D, Inaba K, Lumb PD, Ed. Idelson Gnocchi
 - Urgenze ed emergenze, Chiaranda M, Ed. PICCIN
 - Harrison - Principi di Medicina Interna
 - Materiale didattico ed appunti delle lezioni del docente.

AMBIT	50416-Clinica generale medica e chirurgica
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Expected learning outcomes describe how much a student needs to know, understand and be able to do at the end of the learning process, in line with what the Dublin Descriptors provide for and defined by the CdS (Tablet PCs CDS: A4 b1, b2 , C).

- 1) knowledge of physiopathology, clinical and therapeutic elements of major diseases of interest in Urgency Medicine.
- 2) Understanding the main clinical and diagnostic elements of internal emergencies.
- 3) ability to apply the acquired gnoseological elements (knowledge) to differential diagnosis and to the organization of a diagnostic algorithm for major diseases of interest in Urgency Medicine
- 4) Autonomy of judgment
- 5) communicative abilities of the results of the gnoseological process
- 6) Appreciation skills from the suggested texts based on both lessons learned and on the basis of a typical self-learning process that should characterize the student's study process in a university course

SYLLABUS

Hrs	Frontal teaching
1	Clinical approach to emergency medicine
2	Shock
1	DIC
3	Acute pulmonary edema and heart failure
3	Acute respiratory failure
1	Syncope
2	Acute kidney failure
1	Hypertensive emergency and urgency
1	Pulmonary embolism
2	Acute aortic diseases
1	Consciousness disorders and coma states
1	Acid-base balance disorders
1	Hydro-electrolytic disorders
2	Acute complications of diabetes: ketoacidosis, lactic acidosis and hyperosmolar coma, hypoglycemic coma
2	Acute chest pain and SCA
2	Pulse-pounding and arrhythmias
1	Acute complications of cirrhosis and PSE
1	Acute alcohol intoxication and other intoxications
1	Mixedematosa crisis, thyrotoxicosis and adrenal emergencies
1	Hypothermia and frostbite

**MODULE
GENERAL EMERGENCY SURGERY**

Prof. GIORGIO ROMANO - Sede CHIRONE, - Sede CHIRONE

SUGGESTED BIBLIOGRAPHY

1. R. Dionigi Chirurgia Basi teoriche e chirurgia generale Elsevier 2. Sabiston. Trattato di chirurgia. Le basi biologiche della moderna pratica chirurgica Delfino Antonio Editore 3. Materiale multimediale fornito dai docenti del corso durante le lezioni frontali.

AMBIT	50410-Emergenze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

The module aims to help the student to develop a method of study based on scientific evidence and the rational and critical use of the information collected by the physical examination of the patient with instrumental and laboratory analysis in urgency/emergency setting. The student will learn the approach of the patient with the major pathologies of surgical interest by correctly and critically using the most important diagnostic methods.

SYLLABUS

Hrs	Frontal teaching
2	acute abdominal pain. Peritonitis
2	acute appendicitis
2	bowel obstruction
4	liver and biliary tract surgical diseases: acute cholecystitis, cholangitis, liver abscess.
2	GERD and esophageal achalasia: urgent diseases?
4	esophageal, gastric and duodenal diseases
2	bowel diseases; IBD
2	colorectal diseases in urgency setting.
2	acute pancreatitis
2	urgent surgical splenic diseases
2	non traumatic hemoperitoneum.
2	abdominal trauma
2	digestive bleeding

**MODULE
GENERAL EMERGENCY SURGERY**

Prof. GIUSEPPE SALAMONE - Sede HYPATIA, - Sede HYPATIA, - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

Chirurgia Generale e Specialistica a cura del Prof. F. Minni, Zanichelli Netter - Atlante di Anatomia Umana Chirurgia d'Urgenza A cura di Carlo Staudacher, Masson

AMBIT	50410-Emergenze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

The student must acquire the ability to rationally approach the main aspects of emergency surgical pathologies using correctly and critically the most useful and rational clinical methodology and diagnostic tools in order to quickly reach a diagnostic synthesis and an appropriate therapeutic program.

SYLLABUS

Hrs	Frontal teaching
2	Acute abdomen: generalities, outlines of pathophysiology, clinic and treatment (guidelines)
6	Acute peritonitic abdomen: causes, pathophysiology, clinic, treatment.
6	acute Ischemic abdomen: causes, pathophysiology, clinic, treatment.
6	Acute occlusive abdomen: causes, pathophysiology, clinic, treatment.
1	Polytrauma, pathophysiology, clinic and management of the polytrauma patient
3	Chest trauma: pneumothorax, haemothorax, lung lesions, lesions of the great vessels
3	Abdominal trauma: haemoperitoneum and haemoretroperitoneum, liver lesions, splenic lesions, renal lesions, pelvic organ lesions outline of pathophysiology, clinic and treatment
3	Damage Control surgery, Source control, Intradominal hypertension, Open abdomen, Hepatic and pelvic packing

MODULE
ANAESTHESIOLOGY, INTENSIVE CARE AND PALLIATIVE CARE

Prof. SANTI MAURIZIO RAINERI - Sede HYPATIA, - Sede HYPATIA

SUGGESTED BIBLIOGRAPHY

Tiberio-Randazzo et al Emergenze Medico Chirurgiche Elsevier Masson Edit.
E. ROMANO, Anestesia - I Principi e le Tecniche, UTET.
P. ROSEN, Emergency Medicine, vol. I, II, Mosby, II edizione.
R.D. MILLER, Anesthesia, Churchill Livingstone, III edizione.
J.M. CIVETTA, Critical Care, J.B. Lippincott, Philadelphia, 1988. Textbook of Advanced Cardiac Life Support, American Heart Association, II edizione. Health Care Provider's Manual for Basic Life Support, American Heart Association. Critical Care Diagnosis & Treatment, edited by F.S. Bongard & D.Y. Sue, Lange Medical Book. Emergency Diagnosis & Treatment, edited by C.E. Saunders & M.T. Ho, Lange Medical Book.
NOVELLI ET AL., Anestesia, Rianimazione ed Emergenze Medico-Chirurgiche, Gnocchi, Napoli, 1995

AMBIT	50410-Emergenze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	60
COURSE ACTIVITY (Hrs)	40

EDUCATIONAL OBJECTIVES OF THE MODULE

at the end of the course the student must demonstrate knowledge and capacity of understanding regarding the anesthesia techniques, CPR as well as the action and use of emergency medications , efficacia mechanism.
know made rational choices about drug therapies, anesthesia and intensive care to be applied in various pathological conditions, taking into account the specific characteristics of individual patient and in optics for a proper avaluation of the benefit-cost ratio.

judgment: integrate knowledge , making judgment based on incomplete or limited information, but that include reflecting on the responsibilities related to the application of its knowledge and judgment as regards the applications of the same in the field of resuscitation and pharmacological. learn to listen carefully to understand and synthetize information on all drug problems, anesthesia and resuscitation and know then communicate the content effectively in both oral and written form. be able to gather and organize, properly interpret information about drug for anesthesia and resuscitation by the different resources and databases

SYLLABUS

Hrs	Frontal teaching
4	General Anesthesia: components, phases and pharmacology of intravenous and inhaled anesthetics
4	Regional anesthesia : techniques and pharmacology of local anesthetics
2	Invasive and non-invasive monitoring systems in Emergency Department
4	Cardiac Arrest and ALS
2	Shock
2	Pump Failure and Non Invasive Ventilation
2	Lung Failure and Invasive Mechanical Ventilation
2	Sepsis and Septic Shock
2	Primary and Secondary Survey in Trauma
2	Critical Bleeding in Emergency Department
2	Coma and Encephalic Death
2	Acute and Chronic Pain
4	End of Life, ethical principles
4	Palliative Care
2	Oncologic Pain

MODULE
ANAESTHESIOLOGY, INTENSIVE CARE AND PALLIATIVE CARE

Prof.ssa CESIRA PALMERI DI VILLALBA - Sede IPPOCRATE, - Sede IPPOCRATE

SUGGESTED BIBLIOGRAPHY

Tiberio-Randazzo et al Emergenze Medico Chirurgiche Elsevier Masson Edit. E. ROMANO, Anestesia - I Principi e le Tecniche, UTET. P. ROSEN, Emergency Medicine, vol. I, II, Mosby, II edizione. R.D. MILLER, Anesthesia, Churchill Livingstone, III edizione. J.M. CIVETTA, Critical Care, J.B. Lippincott, Philadelphia, 1988. Textbook of Advanced Cardiac Life Support, American Heart Association, II edizione. Health Care Provider's Manual for Basic Life Support, American Heart Association. Critical Care Diagnosis & Treatment, edited by F.S. Bongard & D.Y. Sue, Lange Medical Book. Emergency Diagnosis & Treatment, edited by C.E. Saunders & M.T. Ho, Lange Medical Book. NOVELLI ET AL., Anestesia, Rianimazione ed Emergenze Medico-Chirurgiche, Gnocchi, Napoli, 1995
Oxford textbook of palliative medicine; le cure palliative, Simonetta Vernocchi; Il mondo delle cure palliative, Giovanni Zaninetta, 2018.

AMBIT	50410-Emergenze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	60
COURSE ACTIVITY (Hrs)	40

EDUCATIONAL OBJECTIVES OF THE MODULE

At the end of the course the student must demonstrate knowledge and capacity of understanding regarding the anesthesia techniques, CPR as well as the use of emergency medications. Is able to made rational choices about drug therapies, anesthesia and intensive care to be applied in various pathological conditions, relatively to the specific characteristics of patient and a proper avaluation of the benefit-cost ratio. Making judgment based on incomplete or limited information, including reflection on the responsibilities related to the application of his knowledge. Learn to listen carefully to understand and synthetize information on all drug problems, anesthesia and resuscitation and know then communicate the content effectively in both oral and written form. be able to gather and organize, properly interpret information about drug for anesthesia and resuscitation by the different resources and databases. he must also know the general principles of palliative care and the general management guidelines for palliative care

SYLLABUS

Hrs	Frontal teaching
2	Peri-Operative Evaluatione and Risk Stratification
2	Invasive and non-invasive monitoring systems in Emergency Department
4	General Anesthesia: components, phases and pharmacology of intravenous and inhaled anesthetics
2	Regional anesthesia : techniques and pharmacology of local anesthetics
4	Cardiac Arrest and Cardio-Pulmonary Resuscitation
2	Primary and Secondary Survey in Trauma
2	Respiratory Failure in Emergency Department
2	Cardio-Circolatory Failure in Emergency Department
2	Coma and Encephalic Death
2	Sepsis, Septic Shock and Antimicrobial Stewardship
2	Acute and Chronic Pain
2	polytrauma
2	palliative medicine