



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2019/2020		
MASTER'S DEGREE (MSC)	MEDICINE AND SURGERY		
INTEGRATED COURSE	MEDICAL-SURGICAL EMERGENCIES AND ANAESTHESIOLOGY		
CODE	02991		
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 MANSUETO PASQUALE Professore Associato Univ. di PALERMO BARBAGALLO CARLO MARIA Professore Associato Univ. di PALERMO		
OTHER PROFESSOR(S)	GIARRATANO ANTONINO Professore Ordinario Univ. di PALERMO PALMERI DI VILLALBA CESIRA Ricercatore Univ. di PALERMO MANSUETO PASQUALE Professore Associato Univ. di PALERMO PARRINELLO GASPARE Professore Associato Univ. di PALERMO AGRUSA ANTONINO Professore Ordinario Univ. di PALERMO BARBAGALLO CARLO MARIA Professore Associato Univ. di PALERMO SALAMONE GIUSEPPE Professore Associato Univ. di PALERMO RAINERI SANTI MAURIZIO Professore Associato Univ. di PALERMO		
CREDITS	9		
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	AGRUSA ANTONINO Monday 14:00 16:00 U.O.C. Chirurgia Generale e d'UrgenzaDipartimento di Discipline Chirurgiche, Oncologiche e Stomatologiche. Wednesday 14:00 16:00 U.O.C. Chirurgia Generale e d'UrgenzaDipartimento di Discipline Chirurgiche, Oncologiche e Stomatologiche. BARBAGALLO CARLO MARIA Tuesday 13:00 14:00 DIBIMIS GIARRATANO ANTONINO Monday 11:30 13:30 Direzione Anestesia in fase pandemica Teams Classe : https://teams.microsoft.com/j/channel/19%3a7103086b8274457c86866f9ea34bec8a%40thread.tacv2/Generale?groupId=ad16c954-0866-4766-9eb6-c116d3e1817d&tenantId=bf17c3fc-3ccd-4f1e-8546-88fa851t MANSUETO PASQUALE Monday 12:00 13:00 Centro Ipertensione (Prof. GB Rini), piano -1		

	PALMERI DI VILLALBA CESIRA Wednesday 10:00 12:00 istituto anestesia primo piano stanza del docente PARRINELLO GASPARE Monday 11:00 13:00 Dibimis Thursday 11:00 13:00 Dibimis RAINERI SANTI MAURIZIO Wednesday 14:30 18:30 Istituto di Anestesia e Rianimazione Policlinico "P. Giaccone" Palermo. 1° Piano.E' Gradita Mail per Conferma SALAMONE GIUSEPPE Monday 12:00 14:00 U.O.C. Chirurgia Generale e d'Urgenza Policlinico Universitario "P. Giaccone"Via L. Giuffre n°5 - Palermo Wednesday 12:00 14:00 U.O.C. Chirurgia Generale e d'Urgenza Policlinico Universitario "P. Giaccone"Via L. Giuffre n°5 - Palermo
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DOCENTE: Prof. CARLO MARIA BARBAGALLO- *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 Medicine 2) Understanding the main clinical and diagnostic elements of internally-occurring diseases 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
ASSESSMENT METHODS	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.
TEACHING METHODS	teacher-led/teacher up front) classes/lessons

MODULE EMERGENCY MEDICINE

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

SUGGESTED BIBLIOGRAPHY

- Manuale di Medicina D'Urgenza, Della Corte F et al., Ed. Mc Graw Hill.
- Urgenze ed Emergenze Medico-Chirurgiche, Agro' F et al., Ed. Minerva Medica.
- 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.
- 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.

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
GENERAL EMERGENCY SURGERY**

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

SUGGESTED BIBLIOGRAPHY

Bellantone - De Toma – Montorsi Chirurgia generale Editore: Minerva Medica
Sartelli – Catena Manuale di Chirurgia d'Urgenza – Pacini Editore Spa H.F. Netter – Atlante di Anatomia Umana

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: generality
4	Peritonitic syndrome: pathophysiology, classification, clinical approach, therapy
6	Acute occlusive abdomen: pathophysiology, classification, clinical approach, therapy
6	Acute "ischemic" abdomen: anatomy of the splanchnic circle, pathophysiology and collateral vessels, classification, clinical approach, therapy
3	Traumatology generality: damage control surgery, open abdomen, abdomen temporary closure
4	thoracic trauma: surgical anatomy, pathophysiology, patient approach, normotensive pneumothorax, hypertension, treatment; lesion of the large vessels
4	Abdominal trauma: epidemiology, classification, approach to the patient with simple and complex trauma; principles of treatment: hepatic and pelvic packing; injury of the large vessels of the abdomen.
1	Traumas of the limbs: treatment principles, traumatic amputation, revascularization syndrome

MODULE ANAESTHESIOLOGY AND INTENSIVE 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)	45
COURSE ACTIVITY (Hrs)	30

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

MODULE ANAESTHESIOLOGY AND INTENSIVE 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

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

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 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	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
4	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