



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2024/2025		
MASTER'S DEGREE (MSC)	MEDICINE AND SURGERY		
INTEGRATED COURSE	SYSTEMATIC PATHOLOGY II - INTEGRATED COURSE		
CODE	13248		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	MED/24, MED/14		
HEAD PROFESSOR(S)	SIMONATO ALCHIEDE	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)	SIMONATO ALCHIEDE	Professore Ordinario	Univ. di PALERMO
	CAROLLO CATERINA	Ricercatore	Univ. di PALERMO
CREDITS	6		
PROPAEDEUTICAL SUBJECTS	21805 - PHYSIOPATHOLOGY, METHODOLOGY AND GENDER MEDICINE - INTEGRATED COURSE		
MUTUALIZATION			
YEAR	4		
TERM (SEMESTER)	1° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	CAROLLO CATERINA Thursday 11:00 14:00 Dipartimento di Medicina Interna e Specilistica. U.O. di Medicina Clinica e Respiratoria SIMONATO ALCHIEDE Friday 09:00 11:00 Clinica Urologicaprevio appuntamento 091.655.4532; alchiede.simonato@unipa.it		

DOCENTE: Prof. ALCHIEDE SIMONATO

PREREQUISITES	Have a good understanding of the principles of general pathology. Know the normal human anatomy in particular of the abdominal wall and its contents and of the male and female external and internal genitalia. Have the physiological basis of the kidney, ureter, bladder, prostate and its functioning. Know laboratory semiotics and clinical semiotics. Know how to correctly collect a general medical history and perform a general objective examination. Be familiar with the most common radiological investigations and know how to read the images. Have a good understanding of endocrinology.
LEARNING OUTCOMES	The objectives are the following: - provide physio-pathological, anatomopathological and clinical knowledge regarding the genitourinary system indicating diagnostic and therapeutic directions. - provide the tools to recognize the most frequent forms of uro-andrological pathology of an oncological, malformative and functional nature - indicate the fundamental medical and surgical therapeutic options for the various pathologies and the prevention of neoplastic and functional diseases. - provide the basic elements regarding fertility and assisted procreation; frame male and female sexuality and its dysfunctions. Recognize the clinical conditions that require specialist Uro-andrological consultancy.
ASSESSMENT METHODS	Learning is assessed through an oral interview and/or a written test. The knowledge of the topics covered, the ability to connect the acquired notions, the correctness and appropriateness of the language will be verified. Knowledge and analytical ability of the required topic. It will be possible to resort to the discussion of real or invented clinical cases to highlight the ability to resolve clinical questions. Essential knowledge relating to the subjects already covered during the course of study will also be tested. "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."
TEACHING METHODS	Teaching is organized through frontal lessons using teaching material in the form of slides or scientific films. The teaching material has the function of making the concepts exposed clearer and exemplifying classifications, of clarifying any biological or pharmacokinetic mechanisms, increasing the student's attention. Particular space will be given to interactivity during lessons, stimulating dialogue with the student and encouraging clinical attendance. The teaching material used will be made available to the students.

MODULE UROLOGY

Prof. *ALCHIEDE SIMONATO*

SUGGESTED BIBLIOGRAPHY

- Urologia per la scuola di Medicina. Simonato, De Stefani. Ed. ECIG. ISBN 978-88-7544-260-6. 2012
- ATLANTE DI UROLOGIA ACCADEMIA ITALIANA UROLOGIA. Il testo si trova nella piattaforma AMAZON (<https://www.amazon.it/>): cliccando sulla copertina si accede alla pagina del download. Costo 2.99 euro
- Urology: The last review. Ines Anselmo da Costa Santiago ISBN 978-3-00-072121-2

AMBIT	50419-Clinica delle specialità medico-chirurgiche
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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 objectives are the following:

- provide physio-pathological, anatomopathological and clinical knowledge regarding the genitourinary system indicating diagnostic and therapeutic directions.
- provide the tools to recognize the most frequent forms of uro-andrological pathology of an oncological, malformative and functional nature
- indicate the fundamental medical and surgical therapeutic options for the various pathologies and the prevention of neoplastic and functional diseases.
- provide the basic elements regarding fertility and assisted procreation; frame male and female sexuality and its dysfunctions. Recognize the clinical conditions that require specialist Uro-andrological consultancy.

SYLLABUS

Hrs	Frontal teaching
2	Functional and instrumental semeiotics of the genito-urinary apparatus. Neurophysiology of urination, concept of urinary continence / incontinence
2	Physical and instrumental semeiotics of renal and urogenital diseases. Diagnosis and treatment of diseases and malformations of the kidneys, ureters, bladder and male genital apparatus.
2	Diagnostic imaging in Urology. Interventional radiology in Urology. Surgical and endoscopic urological instrumentation. Catheters and catheterization techniques. Traditional and alternative surgical techniques.
2	Urinary tract infections. Vesicoureteral reflux. Hematuria.
2	BPH. Acute urinary retention. Anuria.
2	Lithiasis of the urinary system
2	Urethral stricture
2	Prostate cancer
2	Bladder cancer
2	Upper tract urothelial carcinoma. Adrenal tumor
2	Renal cancer. Cystic pathologies of the kidney.
2	Andrology 1. Male sexual dysfunction. Infertility. Induratio penis plastica.
2	Andrology 2. Anatomy and physiology of the erection. Diagnosis and therapy of erectile dysfunction.
2	Testicular cancer. Penile cancer
2	Urological emergencies.

MODULE NEPHROLOGY

Prof.ssa CATERINA CAROLLO

SUGGESTED BIBLIOGRAPHY

Manuale di Nefrologia (Garibotto- Pontremoli), II edizione, Minerva Medica.
Nefrologia Medica, Claudio Ronco, II edizione, Piccin
Linee Guida KDOKI, SIN; ESH, ADA.

AMBIT	50407-Formazione clinica interdisciplinare e medicina basata sulle evidenze
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Nephrology Course aims to make the students able to integrate previous knowledge to properly carry out the medical history survey, collection of objective data, the proposal of diagnostic and therapeutic pathways.

SYLLABUS

Hrs	Frontal teaching
4	laboratory assessment of kidney disease; urine analysis; proteinuria and microproteinuria; renal imaging; kidney biopsy.
2	clinical approach to the patient with kidney disease
2	Physiology and disturbances of water and electrolyte metabolism
6	Chronic kidney disease
3	Diabetic Nephropathy
3	nephrotic syndrome
3	Glomerulonephritis as causes of nephrotic syndrome
2	arterial hypertension
3	Acute Renal Failure, AKI and RIFLE classification. Dialysis treatment
2	cystic kidney disease.