

**COURSE OF MEDICINE AND SURGERY**  
**Student Handbook a.y. 2014-2015**

**CLINICAL SYMPTOMATOLOGY**

III Year	Scientific Field	DISCIPLINE	TUTOR
<b>Clinical Symptomatology</b>  <b>ECM 6</b> Coordinator Nicola Di Daniele	MED/18	<i>Surgical semeiotics</i>	<b>Francesco Rulli</b>
	MED/18	<i>Surgical semeiotics</i>	<b>Giuseppe Sica</b>
	MED/18	<i>Surgical semeiotics</i>	<b>Paolo Gentileschi</b>
	MED/09	<i>Clinical semeiotics</i>	<b>Nicola Di Daniele</b>
	MED/09	<i>Clinical semeiotics</i>	<b>Manfredi Tesauro</b>
	MED/09	<i>Clinical semeiotics</i>	<b>Maria Paola Canale</b>

**Specific aims**

To teach the student the method to perform history and physical examination. Knowledge of essential medical terminology. Symptoms and approach to them, signs and syndromes. Diagnostic decisions.

**PROGRAM**

History: Interviewing and health history. Chief complains and present illness. Family, past and psychosocial history, current health status, review of systems with particular regard to: weakness, vertigo, fainting, syncope, seizures, itching, thirst, diuresis and frequency of urination, appetite, bowel habits, sexual interest and activity, fever and changes in sweating. General Physical Examination: Approach to the patient, facies, height, body weight, habitus, nutritional status, somatic and sexual development, posture or decubitus, sensory and mental status. Skin and related structures. Musculoskeletal system. Lymph nodes. Head and neck : eye, ear, nose, mouth, pharynx. Semeiotics of the thyroid gland. Physical Examination of the Thorax and Lungs : - Inspection: shape of the chest and the way in which it moves including deformities or asymmetry, abnormal retractions, impairment in respiratory movements or unilateral delay in that movement, abnormalities in rate and rhythm of breathing, collateral circulation, movements of the abdomen during breathing. - Palpation: chest expansion , assessment of tactile fremitus, spontaneous fremitus, crackles. - Percussion : technique of percussion, resonance, hyperresonance, dullness, flatness and tympany. - Auscultation : breath sounds: vesicular, broncovesicular, bronchial and tracheal; transmitted voice sounds, adventitious (added) sounds: crackles, rhonchi and wheezes, pleural rub, stridor. Semeiological abnormalities of the following clinical conditions: pneumonia, pleurisy, pneumothorax, hemothorax. . Physical Examination of the Cardiovascular System : - Inspection: careful inspection of the anterior chest, apical impulse (cardiac apex): location and features. - Palpation , apical impulse (cardiac apex) location and features, abnormal movements - Percussion: estimation of cardiac size (delimitation of cardiac dullness). - Auscultation : locations, heart sounds, systolic and diastolic extra sounds, systolic and diastolic murmurs, pericardial friction rub. Arterial pulse: assessment of heart rate and rhythm, amplitude and contour of the arterial pulse wave, bruits and thrills . Venous pulse : jugular venous pressure and contour. Arterial and venous blood pressure measurements. Semeiological features of arterial and venous, both acute and chronic, peripheral insufficiency. Physical Examination of the Nervous System : cranial nerves, motor system , sensory system , reflexes. Endocrine System Semeiotics : main signs and

**PROGRAM**

**SURGERY Objectives:** Appraisal of the methods used in order to explore the history and physical examination of the surgical patient. Appraisal of the methods (clinical and instrumental) employed for generating diagnoses as an iterative process that includes information gathering and hypothesis generation. Data acquisition will begin with the chief complaint, history of present illness, past medical history, and findings from the physical examination. The ratio of EBM will be employed during a number of Grand Rounds which will be focused on the empatic and holistic approach to the single patient. Program Surgery The pain in the surgical patient. Clinics of pain: somatic pain; visceral pain; referred pain. The chest pain. Alterations of fluid and electrolytes; acid-base balance disorders; edema; fever; fever in the surgical patient. Recognition of the symptoms that indicate the presence of a surgical emergency: pallor, dyspnea , cyanosis, pain, vomiting, disorders of consciousness. Clinical characteristics of primary and secondary shock. The swellings: definition, physical examination. The physical examination of the

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The acute abdomen: clinical picture of peritonitis; differential diagnosis. Acute pancreatitis. Ascites. Jaundice and cholestasis. Constipation and diarrhea. The bowel obstruction: clinical characteristics of clinical, radiological and instrumental. Hemorrhages of the upper and lower digestive tract. Hemoperitoneum: spontaneous and traumatic. The physical examination of hernias: an examination of the inguinal canal and the Scarpa's triangle. Micturition disorders: Clinical characteristics of clinical and instrumental. Hematuria, pyuria, chyluria. Notes on evidence-based surgery ( evidence-based surgery ). Surgical Pathophysiology: pathophysiological characteristics of reflux disease. Gastric ulcer and duodenal ulcer. Pathophysiology of the biliary tract. Portal hypertension. Pathophysiological aspects of intestinal obstruction and peritonitis. Diverticular disease and chronic inflammatory diseases of the large intestine.

### Textbooks

-Seidel's Guide to Physical Examination,  
By Jane W. Ball, RN, DrPH, CPNP, DPNAP, Joyce E. Dains, DrPH, JD, RN, FNP, BC, DPNAP, John A. Flynn, MD, MBA, Barry S. Solomon, MD, MPH and  
-Bates' Guide to Physical Examination and History-Taking  
By Lynn Bickley MD  
-Clinical Examination: A Systematic Guide to Physical Diagnosis  
By Nicholas J. Talley MD PhD FACP FRACP FRCP, Simon O'Connor MBBS FRACP DDU  
-Sabiston Textbook of Surgery, 19th Edition  
-The Biological Basis of Modern Surgical Practice (Expert Consult Premium Edition - Enhanced Online Features and Print)  
By Courtney M. Townsend, Jr., MD, R. Daniel Beachamp, MD, B. Mark Evers, MD and Kenneth L. Mattox

### EXAM METHOD

Oral or written or both.

### EXAM COMMISSION

<b>Nicola Di Daniele (President)</b>
<b>Manfredi Tesauro</b>
<b>Maria Paola Canale</b>
<b>Francesco Rulli</b>
<b>Giuseppe Sica</b>
<b>Paolo Gentileschi</b>



### Tutor

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