



Lebanese University Faculty of Medical Sciences Intended Learning Outcomes for 5th Year Medical Student Externship Rotation

FUNCTION: DEPARTMENT		CATEGORY: ACADEMIC	
CODE: ACD-ILO-EXT	TYPE: GUIDELINE	IMPLEMENTATION DATE: 01/03/2023	EDITION: 2

	Name of committee/Team title/ Department/ Division/ Section/ Unit	Person authorized to sign	Title	Date	Signature
Prepared by	Quality representative	Antoine Abou Rached	Professor, Gastrologist, head of the gastro-enterology division	01/03/2023	
Verified by	Quality Steering Committee	Antoine Abou Rached	Professor, Gastrologist, head of the gastro-enterology division	01/03/2023	
		Mirna Chahine	Professor of Cardiovascular Physiology, Head of Basic Sciences Department, President of the Thesis Committee & President of the International Relations Clinical Program	01/03/2023	
		Mona Al Buaini	Professor, Gastrologist, head of the gastro-enterology division Clinical Assistant Professor, Head of the Quality Management department	01/03/2023	
		Nawfal Nawfal	MD, pediatrician and Neonatologist, program director of interns	01/03/2023	
		Hussein Mcheimeche	Associate professor of general surgery, and advanced laparoscopic and bariatric surgery, Medical director at Al Zahraa UMC, President of the International Federation for the surgery of obesity (IFSO) - Lebanese Chapter, Residents Program Director at	01/03/2023	



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			LU-FMS		
		Khadija Ismail	Instructor of Epidemiology, PhD candidate, Member of the Accreditation Committee	01/03/2023	
Approved by	The Dean	Mohamad Moussa	Professor, Urologist, Chairman of the Surgery Department, Dean of the Faculty of Medical Sciences, LU	01/03/2023	



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I. Introduction:

Learning outcomes statements identify what students should be able to demonstrate, represent and produce as a result of what and how they have learned at the hospital during the six weeks interval of the Externship. Early patient contact would partly take place in primary care settings and would primarily include history taking, physical examination and communication. The 5th medical student is taught to take good clinical history and perform proper physical exam.

At an institution offering a medical education program, residents who supervise or teach medical students and graduate students and postdoctoral fellows must be familiar with the educational objectives of the course and be prepared for their roles in teaching and assessment. Teaching and assessing medical students are discussed at resident orientation each year.

The residents' role in teaching and assessing medical students is discussed by the program director during annual new resident orientation. This helps faculty members develop and use a shared understanding of the goals.

To be noted that the list below does not comprise of the entire coda for successful medical practice but will provide you with a solid platform from which to build upon.

II. Externship ILOs:

The student must follow the attached program:

A. Generalities:

The student must be able to:

- Appears correctly to a patient and put him in trust.
- Use precise language that is easy to understand.
- Write an observation by being able to group together the different problems posed.
- Appreciate overall the state of the patient, in particular his physical state (vigilance, cooperation) and his general physical state.
- History and interview of the patient in adults and children.
- And be able to perform proper physical exam.



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B. Symptom approach:

- Headache
- Dizziness
- Pain
- Dyspnea
- Cough and hemoptysis
- Dysphagia
- Abdominal pain
- Blackish and reddish stool
- Constipation
- Diarrhea
- Polyuria, urinary frequency, nocturia
- Urinary incontinence
- Painful peripheral vascular disorders
- Chronic pain of the joints
- Syncope and similar disorders
- Convulsions

C. Mental state:

- Speech disorders
- Mood disorders
- Anxiety
- Psychotic disorders
- Dementia and delirium

D. Complete physical examination:

i. The skin:

- The essential types of skin lesions
- Skin tumors
- Skin lesions related to the context of the disease



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ii. Head and neck:

- Examination of the eyes.
- Use an ophthalmoscope, recognize the papilla and the vessels of the fundus
- Defects of the visual field.
- Examination of eyelids and abnormalities.
- Examination of the eye contour.
- Red eyes.
- Fundus examination.
- Eye deviation.
- Examination of the ears.
- Use an otoscope.
- Examination of the eardrum.
- Hearing disorders.
- Examination of the lips.
- Examination of the pharynx, palate, oral mucosa, teeth, tongue and disorders at this level.
- Thyroid examination, functional disorders of the thyroid.
- Find and locate cervical lymphadenopathy.

iii. Examination of the cardiovascular system:

The student must be able to:

- Auscultate the sounds of the heart in order to:
 - Determine the heart rate.
 - Locate the focus areas.
 - Recognize breaths and specify their time, their seat, their qualities and their focus of irradiation.
 - Recognize other noises.
 - Recognize changes in heart sounds.
- Look for edema.
- Look for hepatocellular reflux.
- Palpate all accessible arteries, examine them.



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- Measure the blood pressure, specify the normal numbers.
- Recognize varicose veins.
- Look for varicose veins of the lower limbs.
- Measure a walking distance.

iv. Examination of the respiratory system:

The student must be able to:

- Measure the respiratory rate
- Examine a sputum.
- Recognize cyanosis.
- To perceive by palpation the vocal vibrations and their pathological modifications.
- To percuss a thorax, to recognize the normal sound and the pathological sounds.
- Auscultate a normal vesicular murmur, recognize abnormalities and abnormal noises.

v. Examination of the abdomen:

The student must be able to:

- Collect the elements of the inspection: respiratory movements, collateral venous circulation, scars.
- Palpate the abdominal wall for pain (Murphy's sign, Mac Burney's dot).
- Examine the lumbar fossae for a large kidney and / or pain points.
- Find and measure hepatomegaly.
- Look for splenomegaly.
- Auscultate the abdomen.

vi. Neurological examination:

The student must be able to:

- Conduct a complete neurological examination
- Appreciate the state of vigilance, orientation, cooperation and language.
- Examine motor skills.
- Examine the tone.



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- Examine the reflexes:
 - Osteo-tendinous (bicipital, stylo-radial, patellar and Achilles)
 - Plantar cutaneous.
 - Abdominal cutaneous
- Look for meningeal stiffness
- Examine the sensitivity
 - Touch
 - Thermal
 - Proprioceptive
 - Stereognosis
 - Paresthesia
- Examine the functions of the cranial nerves:
 - Smell
 - Visual field
 - Oculo-motor skills
 - Sensitivity of the face and cornea; corneal reflex.
 - Mandibular motricity
 - Facial motricity
 - Hearing
 - Nystagmus
 - Deviation of indexes and walking
 - Sensitivity and motor skills of the pharynx
 - Reflexes nauseau and bicycle-palatine
 - Lingual motility
 - Swallowing, phonation, articulation

vii. Osteo-articular examination:

The student must be able to:

- Enjoy the appearance and normal operation:
 - Knee
 - From the hip



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- From the shoulder
- The spine
- Look for abnormal movements of the ankle and knee.
- Recognize an intra-articular effusion: patellar shock
- Recognize:
 - Kyphosis
 - Scoliosis
 - Lordosis

viii. Miscellaneous:

The student must be able to:

- Examine breasts and axillary and supraclavicular regions.
- Examine the hernia orifices.
- The genitals:
 - Male :
 - Description of the perineum
 - Description of the penis
 - Description of the scrotum
 - Rectal touch
 - Female:
 - Description of a suitable position for a gynecological examination.
 - Description of the external genitalia by inspection and palpation.
 - Description of the internal genital organs by inspection.
 - Rectal touch
 - Vaginal touch
 - Bimanual touch

Thus and after the end of the externship, the student must be able to write a complete medical observation using correct and adequate medical language. This observation must necessarily end with a conclusion and a diagnostic impression if the diagnosis is simple and obvious.



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The student is not responsible for the differential diagnosis or the conduct to be held.

III. References:

- A. Barbara Bates (latest edition), Physical Examination and History Taking.



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Diffusion:

Department/Division Section/Unit	Title of the person receiving this copy/ His delegate	Reception date	Name & Signature
Faculty Council	Dean's Assistant / Grace Hawi	01/03/2023	
Students	Delegates for the academic year 2022-2023:		
	For 5 th year: Mostafa Al Sahili	01/03/2023	
	For 6 th year: Mahdi Ghandour	01/03/2023	
	For 7 th year: Hussein Tarhini	01/03/2023	
	For residents: Hassan Ghrayeb	01/03/2023	
	For residents: Hussein Hamdar	01/03/2023	
Lebanese Hospitals where students are rotating (affiliated and non-affiliated to LU)	Medical Coordinators:		
	Al Rassoul Al Azam Hospital: Dr. Mahmoud Younis	01/03/2023	
	Al-Zahraa Hospital University Medical Center: Dr. Samer Dbouk	01/03/2023	
	Bahman Hospital: Dr. Assaad Mhanna	01/03/2023	
	Lebanese Hospital Geitaoui: Dr. Naji Abi Rashed	01/03/2023	
	Rafik Hariri University Hospital: Dr. Nawfal Nawfal	01/03/2023	
	Sacre Coeur Hospital : Dr. Pierre Abi Hanna	01/03/2023	
	Sahel General Hospital: Dr. Walid Alameh	01/03/2023	



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Next Revision Dates: 01/03/2026				
Modifications and revision history				
Edition	Paragraph	Modification/Description of change	Reviewer	Implemented date
01			-	
02	All	Coded the document. Reviewed the content by the curriculum committee. Added implementation date to the document.	Antoine Abou Rached, MD Mirna Chahine, PhD Mona Al Buaini, MD Nawfal Nawfal, MD Hussein Mcheimeche, MD Khadija Ismail, PhD candidate	01/03/2023