



**MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE
PHASE 6
ENGLISH MEDICINE PROGRAM**

COURSE of Chest Surgery
COURSE GUIDEBOOK

PREFACE

Dear Students,

Welcome to the Chest Surgery course which is an important part of your education.

This guide describes what you will learn and perform during your course, the rules you must follow in our clinic, and the working conditions. We wish you all success with the belief that this guide will guide you sufficiently through your course studies.

Department of Chest Surgery

GENERAL INFORMATION on COURSE

Course Title	: Chest Surgery
Main Department of Course	: Surgical Medical Sciences
Department Responsible for Course	: Chest Surgery
Course Code	: MED-6517
Course Topic Code	: MED-
Course Type	: Elective
Duration of the Course	: 1 month
Teaching Method of the Course	: Formal
ECTS	: 5
Language	: English

TEACHING METHODS-TECHNIQUES

a. Applied training methods

- ✓ Inpatient bedside (service) trainings / Inpatient bedside (service) practical applications
- ✓ Participation in outpatient services / Practical applications at the outpatient clinic
- ✓ Bedside Training / Practical Practices at the Bedside
- ✓ Instructor visits (Story taking, file preparation and presentation, interactive discussion, monitoring)
- ✓ Operating room applications
- ✓ Medical record keeping and evaluation practices
- ✓ Participation in Branch Informatics Applications

b. Interactive learning activities:

- ✓ Meetings, panels, group discussions,
- ✓ Case-based discussion sessions, problem-based training sessions with small groups, critical situation discussions, councils, gamification, structured case discussions,
- ✓ Readings and interpretations of works/articles

c. Vocational Skills applications

- ✓ The minimum number of practices/studies required for reinforcing the proficiency gained in the previous education periods in the defined vocational skills is determined and it is ensured that each intern does it.

d. Teamwork

e. Independent learning

- ✓ Independent working hours

f. Other Educational Events

- ✓ Clinical Case Reports
- ✓ Article Presentations
- ✓ Seminar/Lesson Presentations
- ✓ Literature Presentations
- ✓ Research and Presentation

PHYSICAL SPACES

Teaching Activity	Physical Space	Explanation
Theoretical lessons	Training and Research Hospital/ Morphology Building	
Inpatient bedside practice	Training and Research Hospital	4th Floor - chest Surgery Service
Policlinic	Training and Research Hospital	1st floor - chest Surgery Polyclinic
Case analysis	Morphology Building	1st floor - chest Surgery Service
Problem-based teaching		
Special audit applications	Training and Research Hospital	
Private field applications	Training and Research Hospital	

RELATED LEGISLATION

<http://www.tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

AIM(S) of the COURSE

1	In this course, it is aimed that the students gain knowledge and skills about the diseases and emergencies related to the chest surgery branch.
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OBJECTIVE(S) of the COURSE

1	To be able to recognize respiratory complaints and symptoms, to be able to take general medical patient history.
2	To be able to perform Cardiovascular, respiratory, and musculoskeletal system examination.
3	To be able to interpret respiratory examinations and analyzes, to be able to prepare a patient file.
4	To be able to apply the principles of working with biological material.
5	To be able read and evaluate direct radiographs.
6	To be able fill out the request form for laboratory examination.
7	To be able measure blood pressure, to be able take samples for culture.
8	To be able apply oxygen and nebulizer inhaler therapy.
9	To be able to apply and interpret pulse oximetry.
10	To be able to explain the etiological causes and mechanisms of chest surgery diseases.
11	To be able to define thoracic surgery emergencies and to be able to provide emergency treatment, to be able to refer to specialists when necessary.
12	To be able to identify thoracic trauma, to be able to make emergency treatment and to be able to evaluate, to be able to refer to a specialist when necessary.
13	To be able to make a preliminary diagnosis in lung cancer, to be able to perform the necessary preliminary procedures, to be able to direct them to the specialist and apply preventive measures.
14	To be able to explain the concept of sterile environment and to be able to gain hand washing skills.
15	To be able to gain model skills on thoracentesis interventional intervention related to thoracic surgery and to be able to explain tube thoracostomy and other major surgical methods.

INTENDED LEARNING OUTCOME(S)

1	Can recognize respiratory complaints and symptoms, can take general medical patient history.
2	Can perform Cardiovascular, respiratory, and musculoskeletal system examination.
3	Can interpret respiratory examinations and analyzes, can prepare a patient file.
4	Can apply the principles of working with biological material.
5	Can read and evaluate direct radiographs.
6	Can fill out the request form for laboratory examination.
7	Can measure blood pressure, to be able take samples for culture.
8	Can apply oxygen and nebulizer inhaler therapy.
9	Can apply and interpret pulse oximetry.
10	Can explain the etiological causes and mechanisms of chest surgery diseases.
11	Can define thoracic surgery emergencies and can provide emergency treatment, can refer to specialists when necessary.
12	Can identify thoracic trauma, can make emergency treatment, and can evaluate, can refer to a specialist when necessary.
13	Can make a preliminary diagnosis in lung cancer, can perform the necessary preliminary procedures, can direct them to the specialist and can apply preventive measures.
14	Can explain the concept of sterile environment and can gain hand washing skills.
15	Can gain model skills on thoracentesis interventional intervention related to thoracic surgery and can explain tube thoracostomy and other major surgical methods.

DUTIES and RESPONSIBILITIES OF STUDENTS and OTHER ISSUES

Please read: MSKU Medical Faculty Pre-Graduation Education Rules, Students' Responsibilities and Duties (MSKÜ Tıp Fakültesi Mezuniyet Öncesi Eğitiminde Öğrencilerin Uyması Gereken Kurallar, Öğrencilerin Sorumlulukları ve Görevleri)

Web Site: <https://tip.mu.edu.tr/tr/ilgili-mevzuat-6641>

RECOMMENDED RESOURCE(S)

KEY RESOURCE(S)

KEY RESOURCE(S)	Matched Course Outcome(s)
1-Göğüs Cerrahisi 1-2 Cilt	1,2,3,5,6,7,8,9,10
2-Göğüs Cerrahisi Kırmızı Kitap	1,2,3,5,6,7,8,9,10
3- Anabilim Dalı Slayt ve Videoları	1,2,3,5,6,7,8,9,10

ADDITIONAL RESOURCE(S)

ADDITIONAL RESOURCE(S)	Matched Course Outcome(s)
1. Göğüs Cerrahi Stajyer Kitabı, (Türk Toraks Derneği Yayını)	1,2,3,5,6,7,8,9,10
2. Erişkin Göğüs Cerrahisi, Sugarbaker	1,2,3,5,6,7,8,9,10

ASSESSMENT and EVALUATION

Phase 6 Student Internship Success Criteria: (All criteria must be met)

1. The student must fulfill the internship continuity criteria.
2. Candidate Physician Qualification Certificate scoring of 60 and above is considered successful.
3. Candidate Physician Logbook scoring of 60 and above is considered successful.

Faculty of Medicine
English Medicine Program
Phase 6
Chest Surgery Course
Competence Matrix

The Name of the Course	Py1	Py2	Py3	Py4	Py5	Py6	Py7	Py8	Py9	Py10	Py11	Py12	Py13
Chest Surgery	5	5	5	5	5	5	5	5	5	4	2	4	4

* Completed according to the following program outcomes. (Score from 0 to 5.)

PO: Program Outcomes of Faculty of Medicine

PO Link: <https://muweb.mu.edu.tr/tr/program-yeterlilikleri-6598?site=tip.mu.edu.tr>

CANDIDATE PHYSICIAN QUALIFICATION CERTIFICATE

MUGLA SITKI KOCMAN UNIVERSITY MEDICAL SCHOOL CHEST SURGERY INTERNSHIP CANDIDATE PHYSICIAN QUALIFICATION CERTIFICATE		
Student's name and surname: Number:		Beginning:/...../..... End: .../..../.....
A	Participation in Internship Training Programs (25 points) <ul style="list-style-type: none"> ✓ Seminar, article, case report etc. ✓ Report-Homework Preparation etc. ✓ Research etc. 	
B*	Internship Logbook Score (50 points) * <ul style="list-style-type: none"> ✓ Fulfilling the applications specified in the internship logbook in the desired number and level etc. 	
C	Fulfilling Intern Physician Work Responsibilities: (25 points) <ul style="list-style-type: none"> ✓ Learning the seizure system, taking over, and transferring patients, obeying the hours ✓ Service Activities ✓ Polyclinic Activities ✓ Fulfillment of assigned tasks ✓ Adaptation and Participation in Teamwork ✓ Communication with patients and their relatives ✓ Compliance with working hours etc. 	
CONTINUITY:		Continuous (....)
RESULT:		Discontinuous (.....)
EVALUATION SCORE: (With numbers and text)		HEAD OF DEPARTMENT
Score: (out of 100)		Date: Signature:
INTERNSHIP COORDINATOR ACADEMIC STAFF: Date: Signature:		
Phase 6 Student Internship Success Criteria: (All criteria must be met) <ol style="list-style-type: none"> 4. The student must fulfill the internship continuity criteria. 5. Candidate Physician Qualification Certificate scoring of 60 and above is considered successful. 6. Candidate Physician Logbook scoring of 60 and above is considered successful. 		
* Half of the Candidate Physician Internship Logbook Score must be reflected in the B field.		

CANDIDATE PHYSICIAN INTERNSHIP LOGBOOK

MUGLA SITKI KOCMAN UNIVERSITY MEDICAL SCHOOL CHEST SURGERY CANDIDATE PHYSICIAN INTERNSHIP LOGBOOK				
Student's name and surname:		Number:		Performed
Beginning:/...../.....		End:/...../.....		
		Level		
1.	Patient file preparation	4		
2.	Taking general and problem-oriented history	4		
3.	Systematic physical examination	4		
4.	Evaluation of general condition and vital signs	4		
5.	Interpreting the results of screening and diagnostic examinations	3		
6.	Differential Diagnosis			
7.	Reading and evaluating direct radiographs	3		
8.	Requesting rational laboratory and imaging examination	4		
9.	Applying the principles of working with biological material	4		
10.	Obtaining a biological sample from the patient	3		
11.	Taking the laboratory sample under appropriate conditions and delivering it to the laboratory	4		
12.	Providing decontamination, disinfection, sterilization, antisepsis	4		
13.	Hand washing	4		
14.	Opening vascular access	4		
15.	im, iv, sc, id Injection	4		
16.	Preparing the drugs to be applied correctly	3		
17.	Administering oral, rectal, vaginal, and topical drugs	3		
18.	Applying the principles of rational drug use	4		
19.	Treatment planning and prescription	4		
20.	Preparing patient discharge report	4		
21.	Properly referring the patient	4		
22.	Providing sufficient and understandable information to the patient and his/her relatives about the disease	4		
23.	Providing accurate and adequate information to the patient and/or patient relatives about possible interventions/treatment options, obtaining consent for treatment	4		
24.	Communicating effectively with the work team, colleagues, and trainers	4		
25.	Internship-specific item*			
26.	Internship-specific item*			
27.	Internship-specific item*			
RESULT: Successful (....) Unsuccessful (.....)	EVALUATION SCORE: (With numbers and text) Score: (out of 100)	INTERNSHIP COORDINATOR ACADEMIC STAFF: Date: Signature:	HEAD OF DEPARTMENT Date: Signature:	

Phase 6 Student Internship Success Criteria: (All criteria must be met)

1. The student must fulfill the internship continuity criteria.
2. Candidate Physician Qualification Certificate scoring of 60 and above is considered successful.
3. Candidate Physician Logbook scoring of 60 and above is considered successful.

***The Department can remove the item(s) from the Internship Logbook and/or add the item(s) specific to the internship by specifying the level to the Internship Logbook. It is recommended that the department check that all NCEP-2020 Basic Medicine Practices and levels related to the internship are stated in the Internship Logbook.**

LEARNING LEVEL OF BASIC MEDICAL PRACTICES*

Level	Explanation
1	Knows how the application is done and explains the results to the patient and / or their relatives
2	Makes the application in accordance with the guide / directive in an emergency
3	Makes the application* in uncomplicated, common, cases/cases
4	Makes the application** including complex situations/phenomenons
*Denotes the minimum level of performance, and therefore learning, that a physician who graduated from the faculty of medicine should exhibit during basic medicine practices. It is determined separately for each skill/application in the minimum level list. The faculties ensure that each student is able to perform the medical practice in question at the minimum level determined during the education period they apply.	
** Makes the preliminary evaluation/evaluation, creates, and implements the necessary plans, and informs the patient and their relatives/society about the process and its results.	
*Source: NCEP 2020	