



**MUĞLA SITKI KOÇMAN UNIVERSITY**  
**FACULTY OF MEDICINE**

**2021-2022**

**ENGLISH PROGRAM**

**PHASE V**

**Department of THORACIC SURGERY**

**CLERKSHIP GUIDEBOOK**

**CLERKSHIP LOG BOOK**

**CLERKSHIP PROGRAM**

**Prepared by Department of Thoracic Surgery**

## INTRODUCTION

**Dear Students,**

Welcome to the Thoracic Surgery clerkship program which is an important part of your education.

In this clerkship program, which is going to continue for Thoracic Surgery week/weeks, we aim to give the basic education of the clerkship program in all aspects of theoretical courses and practical applications. This guide describes what you will learn and perform during your clerkship, 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 clerkship studies.

<b>A. GENERAL INFORMATION</b>	
<b>Course Code</b>	MED-5025
<b>Course Title</b>	Thoracic Surgery
<b>Duration of the course</b>	1 weeks
<b>Theoretical Course duration (Hours)</b>	37
<b>Application Course duration (Hours)</b>	19
<b>AKTS</b>	1
<b>Year</b>	Phase V
<b>Level of Course</b>	Undergraduate (Bachelor)
<b>Required/Elective</b>	Required
<b>Program</b>	Faculty of Medicine (English)
<b>Language</b>	English
<b>Style</b>	Formal
<b>Teaching Methods:</b>	Theoretical lessons /Bedside Practice / Case Discussions / Clinical Skill Training Practices / Participation in Polyclinic-Service-Surgery Practices/ Article Hours / Scientific Board Meetings / Independent Working Hours / Learner-Centered Education Practices
<b>Recommended Legislation Reading:</b>	<ol style="list-style-type: none"> <li>1. MSKÜ Ön Lisans ve Lisans Eğitim-Öğretim Yönetmeliği</li> <li>2. MSKÜ Tıp Fakültesi Eğitim-Öğretim ve Sınav Yönetmeliği</li> <li>3. MSKÜ Tıp Fakültesi Sınav Kılavuzu</li> <li>4. Yükseköğretim Kurumları Öğrenci Disiplin Yönetmeliği</li> </ol>

B. TEACHING STAFF	
Head of the Department:	Associate Professor. Dr Arife Zeybek
Supervisor of the Clerkship Education Program	Associate Professor. Dr Arife Zeybek
Supervisor of the Examinations and End of Clerkship Survey:	Associate Professor. Dr Arife Zeybek
Teaching staff of the Clerkship Program:	Associate Professor. Dr Arife Zeybek

C. PHYSICAL SPACES	
Classrooms and Study Areas	<p><b><u>Classroom Floor-Room No:</u></b> Classrooms in the Training and Research Hospital assigned to the clerkship</p> <p><b><u>Polyclinic Floor-Room No:</u></b> 1 . Floor</p> <p><b><u>Service Floor (if available):</u></b> 4. Floor</p> <p><b><u>Operation Room Floor-Room No (if available):</u></b>3 . Floor</p> <p><b><u>Laboratory Floor-Room No (if available):-</u></b></p>

<b>D. OBJECTIVES- AIMS-LEARNING OUTCOMES OF THE CLERKSHIP PROGRAM</b>	
<b>Objectives</b> MED-TSU- OBJ-...	<ol style="list-style-type: none"> <li>1. To be able to gain sufficient knowledge, skills and attitudes to evaluate common diseases in thoracic surgery and their symptoms and signs, to diagnose in primary care conditions, to create/apply/monitor a treatment plan, to perform emergency intervention when necessary, or to refer to a thoracic surgeon within the scope of the National CAP.</li> </ol>
<b>Aims</b> MED-TSU- AIM-...	<ol style="list-style-type: none"> <li>1. To be able to recognize respiratory complaints and symptoms, to take a general history</li> <li>2. Cardiovascular, respiratory and musculoskeletal system examination can be done</li> <li>3. To be able to interpret respiratory examinations and analyzes</li> <li>4. To be able to apply the principles of working with biological material</li> <li>5. Being able to read and evaluate direct radiographs</li> <li>6. To be able to measure blood pressure, to take samples for culture</li> <li>7. To be able to apply oxygen and nebule inhaler therapy</li> <li>8. To be able to apply and interpret pulse oximetry</li> <li>9. To be able to explain the etiological causes and mechanisms of thoracic surgery diseases</li> <li>10. Defining thoracic surgery emergencies, making emergency treatment, referral to specialist when necessary</li> <li>11. Defining thoracic trauma, making emergency treatment and evaluation, referral to a specialist when necessary</li> <li>12. To be able to make a preliminary diagnosis in lung cancer, make the necessary preliminary procedures, direct to the specialist and apply preventive measures</li> <li>13. Sterile environment concept and hand washing skills</li> <li>14. To have skills on the model of thoracentesis interventional intervention related to thoracic surgery and to be able to explain tube thoracostomy and other major surgical methods</li> </ol>

<b>Learning Outcomes</b> MED-TSU-LO- ...	<ol style="list-style-type: none"> <li>1. To be able to recognize respiratory complaints and symptoms, to take a general history</li> <li>2. Cardiovascular, respiratory and musculoskeletal system examination can be done</li> <li>3. To be able to interpret respiratory examinations and analyzes</li> <li>4. To be able to apply the principles of working with biological material</li> <li>5. Being able to read and evaluate direct radiographs</li> <li>6. To be able to measure blood pressure, to take samples for culture</li> <li>7. To be able to apply oxygen and nebule inhaler therapy</li> <li>8. To be able to apply and interpret pulse oximetry</li> <li>9. To be able to explain the etiological causes and mechanisms of thoracic surgery diseases</li> <li>10. Defining thoracic surgery emergencies, making emergency treatment, referral to specialist when necessary</li> <li>11. Defining thoracic trauma, making emergency treatment and evaluation, referral to a specialist when necessary</li> <li>12. To be able to make a preliminary diagnosis in lung cancer, make the necessary preliminary procedures, direct to the specialist and apply preventive measures</li> <li>13. Sterile environment concept and hand washing skills</li> <li>14. To have skills on the model of thoracentesis interventional intervention related to thoracic surgery and to be able to explain tube thoracostomy and other major surgical methods</li> </ol>
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**PHASE V**  
**THORACIC SURGERY CLERKSHIP**

**MATRIX SHOWING THE RELATIONSHIP BETWEEN OBJECTIVES-AIMS-LEARNING OUTCOMES and  
THE COURSE SCHEDULE**

<b>COURSE SUBJECT</b>	<b>OBJECTIVES-AIMS and LEARNING OUTCOMES</b>
Lung Cancers Diagnosis, Staging and Surgical Treatment	MED-TSU-OBJ-1 MED-TSU-AIM-12 MED-TSU-LO-12
Lung Benign Tumors , Surgical Approach	MED-TSU-OBJ-1 MED-TSU-AIM-12 MED-TSU-LO-12
Pleural Effusions, Diagnosis and Surgical Treatment	MED-TSU-OBJ-1 MED-TSU-AIM-1,2,5,7,8,9 and 14 MED-TSU-LO-1,2,5,7,8,9 and 14
Empyema Diagnosis, Treatment Approach	MED-TSU-OBJ-1 MED-TSU-AIM-1,2,4,5,9,13 and 14 MED-TSU-LO-1,2,4,5,9,13 and 14
Hyperhidrosis Diagnosis and Treatment Approach	MED-TSU-OBJ-1 MED-TSU-AIM-9 MED-TSU-LO-9
Chest Wall Deformities Diagnosis, Classification, Surgical Approach	MED-TSU-OBJ-1 MED-TSU-AIM-9 MED-TSU-LO- 9
Lung Hydatid Cyst Diagnosis and Treatment	MED-TSU-OBJ-1 MED-TSU-AIM-1,2,4,5 and 9 MED-TSU-LO-1,2,4,5 and 9
Chylothorax Diagnosis and Surgical Treatment	MED-TSU-OBJ-1 MED-TSU-AIM-1,2,5,7,8,9 and 14 MED-TSU-LO-1,2,5,7,8,9 and 14
Pneumothorax Diagnosis and Surgical Approach	MED-TSU-OBJ-1

	MED-TSU-AIM-1,2,5,6,7,8,10 and 11 MED-TSU-LO-1,2,5,6,7,8,10 and 11
Thoracic Outlet Syndrome Diagnosis and Surgical Treatment	MED-TSU-OBJ-1 MED-TSU-AIM-9 MED-TSU-LO-9
Mediastinal Tumors Surgical Approach	MED-TSU-OBJ-1 MED-TSU-AIM-9 MED-TSU-LO-9
Chest Wall Tumors Surgical Approach	MED-TSU-OBJ-1 MED-TSU-AIM-9 MED-TSU-LO-9
Thoracentesis Application on Model	MED-TSU-OBJ-1 MED-TSU-AIM-13 and 14 MED-TSU-LO-13 and 14
Bronchiectasis Diagnosis and Surgical Treatment	MED-TSU-OBJ-1 MED-TSU-AIM-1,2,3,5,9 MED-TSU-LO-1,2,3,5,9
Lung Abscess Diagnosis, Treatment Approach	MED-TSU-OBJ-1 MED-TSU-AIM-1,2,4,5,9 ,13 MED-TSU-LO-1,2,4,5,9 ,13
Diaphragmatic Traumas and Diseases	MED-TSU-OBJ-1 MED-TSU-AIM-1,2,10 ,11 MED-TSU-LO-1,2,10 ,11
Thoracic Surgery Emergencies	MED-TSU-OBJ-1 MED-TSU-AIM-1,2,10 ,11 MED-TSU-LO-1,2,10 ,11



**PHASE V**  
**THORACIC SURGERY CLERKSHIP**  
**COURSE SUBJECTS RELATED TO PHASE I-II-III and IV**

Lung Hydatid Cyst Diagnosis and Treatment

Pneumothorax Diagnosis and Surgical Approach

Bronchiectasis Diagnosis and Surgical Treatment

Lung Abscess Diagnosis, Treatment Approach

Diaphragmatic Traumas and Diseases

## E. ADDITIONAL INFORMATION

### Duties and responsibilities of students

1. During the course program (if no change is notified by the relevant faculty member during the clerkship period), students are expected to fully present for theoretical or practical application. According to the regulation, there is an attendance requirement of 70% in theoretical courses and 80% in applied courses in Phase V.
2. Although there is no directive of the medical faculty regarding dress, all students are expected to perform personal care and dress with a style and care worthy of a physician candidate during all practical and theoretical training hours.
3. It is expected to be worn a white coat in all practical trainings.
4. Full participation and attendance of students is expected for theoretical or practical application in the announced syllabus hours (unless a change is reported by the relevant faculty member during the clerkship period).
5. Students are expected to attend daily articles and case presentations in line with the monthly academic program with faculty members and research assistants.
6. Trainees are expected to take an anamnesis from the patient together with the faculty member or rotational research assistant, to participate in the physical examination of the patient and to prepare the patient file.

	<p>7. Students are expected to be able to know the working conditions with biological materials in service practices during the clerkship, to be able to take samples for culture, to measure blood pressure of their own patients, to be able to interpret and interpret pulse oximetry, and to evaluate direct radiography.</p> <p>8. They are expected to gain the concept of sterile environment and gain the ability of sterile hand washing in operating room conditions</p> <p>9. To gain the ability to perform thoracentesis under sterile conditions on the model</p> <p>10. The students are responsible for completing the log book for each application during the clerkship</p>
<b>Recommended Reading/ Studying materials</b>	<ol style="list-style-type: none"> <li>1. Thoracic Surgery 1-2 Volume (Turkish Thoracic Surgery Association Publication 2013)</li> <li>2. Thoracic Surgery Red Book, 2015</li> <li>3. Department's Slides and Videos</li> <li>4. Thoracic Surgery Intern Book, (Turkish Thoracic Society Publication)</li> <li>5. Adult Thoracic Surgery, Sugarbaker, 2011</li> </ol>

## F. ASSESSMENT METHOD(S) CLERKSHIP FINAL EXAM EVALUATION

\* It is compulsory to get at least 60 points from the written exam in order to take the practical exams in the clerkship exams.

\*\* With the condition of having at least 60 points in each stage of the clerkship exams, the final success grade is calculated as the arithmetic average of each stage.

Exam type	Explanation (if any)	Contribution Value (%)
Multiple choice questions,	Multiple-choice questions	% 50
Practice exam	Taking history and making a physical examination from the patient in the service	% 5
Structured/Unstructured Oral exam	Theoretical exam under the supervision of at least two faculty members	% 40
Clerkship log book		% 2
Attendance to the courses (%100)		% 3
Total		100

## G. ASSESSMENT METHOD(S) CLERKSHIP MAKE-UP EXAM EVALUATION:

\* It is compulsory to get at least 60 points from the written exam in order to take the practical exams in the clerkship exams.

\*\* With the condition of having at least 60 points in each stage of the clerkship exams, the final success grade is calculated as the arithmetic average of each stage.

Exam type	Explanation (if any)	Contribution Value (%)
Multiple choice questions,	Multiple-choice questions	% 50
Practice exam	Taking history and making a physical examination from the patient in the service	% 10
Structured/Unstructured Oral exam	Theoretical exam under the supervision of at least two faculty members	% 40
Total		100

## H. DEPARTMENT OF THORACIC SURGERY STUDENT CLERKSHIP LOG BOOK:

STUDENT NAME SURNAME:  
NUMBER:

CLERKSHIP TERM:

Turn of Duty

.../.../ ....

.../.../ ....

Signature

\_\_\_\_\_

\_\_\_\_\_

PRACTICE

TEACHING STAFF (SIGNATURE)

Ability to Take General and  
Problem-Related Anamnesis

Evaluation of General Condition  
and Vital Findings

Clarification and Consent

Evaluation of Direct  
Radiographs

Prepare a patient file

Ability to Prepare Epicrisis

Ability to perform thoracentesis

Ability to Provide First Aid for  
Removal of Foreign Body in the  
Airway

DECISION

Sufficient

☐

Insufficient

☐

Head of the Department  
or  
Supervisor of Clerkship

Signature

<b>I.CHANGES TO THE PREVIOUS YEAR OF EDUCATION</b>	
<b>Are there any changes in the course schedule compared to previous year?</b> (	NO CHANGES
<b>*Reasons for these changes</b>	<ol style="list-style-type: none"> <li>1. Changes Based on Student Feedback</li> <li>2. Changes Based on Faculty Member Feedback</li> <li>3. Changes Based on Graduate Feedback</li> <li>4. Reasons based on the Feedback of External Stakeholders</li> <li>5. Changes Made According to the Academic Year Program Evaluation Report</li> </ol>
<b>Are there any changes in the Clerkship guide and log book?</b>	NO CHANGES
<b>Are there any changes in the objectives- aims- learning outcomes of the clerkship program?</b>	NO CHANGES
<b>Are there any changes in the scoring of Medical Faculty Clerkship - Program Outcomes Matrix?</b>	NO CHANGES

### Medical Faculty Clerkship -Program Outcomes Matrix\*

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

**\* Will be completed according to the following program outcomes. ( Score from 0 to 5.)**

1- To have detailed, updated and advanced level of information in the field of basic, clinical, and surgical medical sciences.

2- To be able to use the advanced theoretical and practical knowledge gained from basic, clinical, and surgical medical sciences To perform the first assessment of the patient encountered, to reveal differential diagnosis, ask for the necessary tests, to prescribe, arrange treatment plans, to plan disease management and to carry out post-mortem operations.

3-To communicate effectively with patients and patients' relatives and with units required according to the medical requirements. To inform people and organizations about issues related to the health field; transfer thoughts and suggestions verbally and written regarding the issue.

4- To take responsibility as an individual and as a team member to solve complex and unpredictable problems encountered in clinical practice, besides to construct independently, to develop a solution method, to solve and evaluate the results. To be able to reveal the public health problems, to apply and explain individual, organizational, social development ways for effective and efficient health services.

5- Planning and managing the activities related to the professional development of employees working under the responsibility of them.

6- To know and apply the laws and regulations related to health care.

7- To examine the concepts and ideas concerning basic, clinical and surgical medical sciences through scientific methods, to interpret and evaluate data, to identify problems, to be able to analyze, and develop solutions based on evidence and research.

8-To have scientific and ethical values when collecting, interpreting, disseminating and implementing data related to the health field, and also to teach these values and to check them.

9-To monitor current information and communicate with colleagues in the field by using a foreign language

10- To use computer software, information and communication technologies at a level required in the field

11- To value the universality of social rights, gain social justice consciousness, to have sufficient consciousness of environmental protection and occupational safety and quality management processes.

12-To gain the lifelong learning skills and to monitor the latest developments from the professional aspect.

13- To fulfill the responsibilities arising from the humanitarian, social and cultural values.



**2021 - 2022 ACADEMIC YEAR**

**PHASE V**

**Thoracic Surgery CLERKSHIP**

**GROUP Eng**

**TERM LENGTH: 1 WEEK**

**13 september 2021**

**17 september 2021**

**First Week**

Date	Time	T* / P*	ÖM*/ TD*	UÇEP Clause	UÇEP Learning Degree	Topic of the Lecture	Lecturer
Monday 13 September 2021	08:30 - 09:20	P	ÖM	THU-A1; B13-14-19; C4	A,3  <u>Basic Medicine App</u>	<u>Taking general and problem-oriented history</u>  <u>Evaluation of General Condition and Vital Findings</u>	Associate Professor. Dr Arife Zeybek
	09:30 - 10:20	T				CHEST SURGERY TOPOGRAPHY	
	10:30 - 11:20	T		THU-A1; B13-14-19; D1-4-9; E33		CHEST SURGERY TOPOGRAPHY	
	11:30 - 12:20	T	ÖM	310	A,3	PLEVRA DISEASES	
	12:30-13:20	P				Advisory hour	
	13:30 - 14:20						
	14:30- 15:20				Elective clerckship		
	15:30 - 16:20						
	16:30 - 17:20						
Tuesday 14 september 2021	08:30 - 09:20	P		THU-E16		<u>Clarification and Consent</u>	
	09:30 - 10:20	T		THU-E16	ÖnT; 1-2	THORACIC OUTLET SEND DIAGNOSIS AND TREATMENT	
	10:30 - 11:20	T		261	T-A-4	PNEUMOTHORAX AND SURGERY	
	11:30 - 12:20	T		256	ÖnT, 2	CHILOTHORAX SURGERY	
	12:30-13:20	P				Advisory hour	
	13:30 - 14:20	T	ÖM	52	ÖnT-K-İ; 3	BRONCHECTASIS CLASSIFICATION AND TREATMENT	



	14:30- 15:20	T	ÖM	7	ÖnT, K; 3	SURGERY IN LUNG CANCER	
	15:30 - 16:20	T	ÖM	THU-D4; E38- 45-51	ÖnT-K; 2-3	HYDATIC CYST TREATMENT AND SURGERY	
	16:30 - 17:20	T	ÖM	90	T- K; 3	CHEST WALL DEFORMITIES SYMPTOMS, DIAGNOSIS AND SURGERY	
Wednes day 15 september 2021	08:30 - 09:20	P				<u>Preparing a Patient File</u>  <u>Ability to Prepare Epicrisis</u>	
	09:30 - 10:20	T		54	ÖnT-K-İ; 3	DIAGNOSIS AND TREATMENT OF LUNG ABSES	
	10:30 - 11:20	T		75	ÖnT; 1-2	DIAPHRAGMA DISEASES and SURGERY	
	11:30 - 12:20	T				CHEST WALL MASSES AND SURGERY	
	13:30 - 14:20	T		178	ÖnT; 1-2	CHEST WALL MASSES AND SURGERY	
	14:30- 15:20	T			ÖnT; 1-2	EMPHYEMA DIAGNOSIS AND SURGERY	
	15:30 - 16:20	T			ÖnT; 1-2	DIAGNOSIS AND TREATMENT OF MEDIASTENE MASSES	
	16:30 - 17:20	T				SYMPTOMS AND FINDINGS IN MEDIASTEN MASSES	
Thursday 16 september 2021	08:30 - 09:20	P		THU-A1; B13-14-19; C4		<u>Evaluation of Direct Radiographs</u>	

	09:30 - 10:20	T		SKD 31-44	ÖnT; 1-2	HYPERHYDROSIS DIAGNOSIS AND TREATMENT	
	10:30 - 11:20	T		236	A; 3-4	CHEST SURGERY EMERGENCIES	
	11:30 - 12:20	T		236	A; 3-4	CHEST SURGERY EMERGENCIES	
	13:30 - 14:20	P				<u>Ability to Provide First Aid for Removal of Foreign Body in the Airway</u>	
	14:30- 15:20	P				<u>Basic Medicine APP</u>  <u>Ability to apply thoracentesis and closed underwater drainage on MBL model</u>	
	15:30 - 16:20					<u>feedback meeting</u>	
	16:30 - 17:20					freelance hours	
Fiday 17 september 2021	08:30 - 09:20						
	09:30 - 10:20						
	10:30 - 11:20						
	11:30 - 12:20				Theoretical and practical exam		
	13:30 - 14:20						
	14:30- 15:20						
	15:30 - 16:20						
	16:30 - 17:20						

Total	Teorical (T)	
	Practice (P)	

ÖM: Learner Centered / TD: Community-Based

• **Note:** Advisory hour should be written every week between 12:30 and 13:20 on Mondays and Tuesdays.

### Checklist

	1. Have the clerkship guide and log book been filled?
	2. Has the matrix showing the relationship between the aims, objectives and learning outcomes and the courses been filled in?
	3. Has the vertical integration matrix of Phase 5 with previous periods been filled in?
	4. Has the clerkship program been completed? Has the UÇEP item(clause) and learning level been updated according to UÇEP 2020?
	5. Has the advisory hour been scheduled between 12:30 and 13:20 every week on Mondays and Tuesdays?
	6. Are public holidays left blank in the program?
	7. Is every week on Monday (13:30-17:20)between 13 September 2021 and 14 January 2022 left blank for the elective clerkship?
	8. Has the Core Diseases Excel file been updated according to UÇEP 2020?
	9. Has the Basic Medicine Practices Excel file been updated according to UÇEP 2020?