YEDİTEPE UNIVERSITY

FACULTY OF MEDICINE

PHASE III

ACADEMIC PROGRAM BOOK

2016 - 2017

Student's
Name : .....
Number : .....

YEDİTEPE UNIVERSITY

FACULTY OF MEDICINE

PHASE III

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YEDİTEPE UNIVERSITY FACULTY OF MEDICINE

AIM AND OUTCOMES OF MEDICAL EDUCATION PROGRAM *,**

*"Consensus Commission Report" based on draft compiled at "*Workshop for Revision of Aim and Outcomes of Medical Education Program at Yeditepe University Faculty of Medicine*"

AIM

The aim of medical education program ***is to graduate physicians*** who

- **are aware of** the local and global health issues
- **have acquired competence** in knowledge, skills and attitudes to manage and provide primary health care service
- **know**, **apply** and **care** for ethical principles of the medical profession
- **keep up with** current knowledge at national and international level
- **are capable of** systematical thinking
- **are** investigative and questioning
- continually **renovate** and **improve** themselves
- **are capable of** teamwork
- **use** technology competently in medicine and related areas
- **have** effective communication skills
- **have** community leadership qualifications

OUTCOMES
Graduate should be able to:

1) *practice* as a physician,

- **oriented towards**
  - **individual and non-individual factors affecting health**
  - **sustainment and improvement of healthy condition**
  - **clinical conditions which**
    - **are frequent in community**
      and/or
    - **pose high risk for individual or community health**
      and/or
    - **life-threatening or constitute an emergency**
- **at a competency level appropriate to deliver primary health care services compatible with surrounding context of health determinants.**

1.1 ***explain*** normal structural components of human body, their functions and operational mechanisms at organismal, multisystem, system, organ, tissue, cellular and molecular levels.
1.2 ***explain*** healthy condition and factors affecting health.
1.3 ***explain*** and ***relates*** causes of clinical conditions, courses of effect and outcomes.
1.4 ***explain*** changes (*i.e. physiological and pathological*) in structural components of body, their functions and operational mechanisms under healthy and clinical conditions.
1.5 ***explain*** most frequently occurring or most important clinical complaints (*i.e. chief complaint*), symptoms, signs, laboratory and imaging findings and their emergence mechanisms in clinical conditions.
1.6 ***explain*** current medical and surgical methods used in interventions directed towards health conditions.
1.7 ***use*** contextually appropriate medical history taking method, out of different types (*e.g. comprehensive, focused or hypothetico-deductive*) and systematically, to gather medical information from healthy individual, patient or patient's companions (*i.e. heteroanamnesis*), in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.
1.8 ***employ*** physical examination methods for systems in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.
1.9 accurately ***interpret*** findings in medical history and physical examination, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.

1.10 ***implement*** diagnostic procedures (*e.g. point of care testing, physician office testing*) required for primary health care, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.
1.11 ***select*** (***utilize***) tests shown to be highly effective in clinical decision making by evidence-based medicine from the aspects of reliability, practicality and outcome measures, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition, and ***interpret*** results.
1.12 ***make*** clinical decisions (*e.g. benefit estimation, risk estimation, prevention, screening, test requisition, diagnosis, triage, staging, consultation, prognosis, watchful-waiting, intervention, monitoring, end of intervention, discharge, control, end of follow-up*) shown to be highly effective from the aspects of outcome measures by evidence-based medicine, in case of an encounter with a healthy person or a patient who seeks health care service for a health condition.
1.13 accurately ***perform*** interventional procedures (*i.e. interventional clinical skills, competencies and proficiencies*) required for primary health care, in case of an encounter with a healthy person or a patient who seeks health care service for a clinical condition.
1.14 ***coordinate*** referral or transport of patient, when necessary and with patient-centered approach, to secondary health care institution, without posing any risk to patient's health, security and confidentiality, in case of an encounter with a patient who seeks health care service for a clinical condition.
1.15 ***manage*** request or symptom, healthy or clinical condition, and healthy individual or patient, with beneficiary-centered approach, and with clinical decisions made by analytical and critical thinking, clinical reasoning and problem solving methods, in case of an encounter with a patient who seeks health care service for a health condition.
1.16 ***execute*** protective and therapeutic medical practices that are individual, family and community-oriented, easily accessible, integrated and coordinated, continuous, comprehensive, and based on the principles of confidentiality, in primary health care services.
1.17 ***identify*** factors that pose a high risk to individual and community health, and ***determine*** individuals or populations at risk in advance or at an early stage and implement the necessary measures.
1.18 ***value*** preventive health services, ***offer*** primary prevention (*i.e. prevention of diseases for the protection of health*), secondary prevention (*i.e. early diagnosis and treatment*) and tertiary prevention (*i.e. rehabilitation*) services, and ***provide*** consultancy on these issues.
1.19 ***provide*** life-style consultancy and design services to sustain and improve individual and community health.

2) *manage* primary health care services.
2.1 ***manage*** health care team in primary health care organization.
2.2.***lead*** community with sense of responsibility, good behavior and manners in consideration of individual behaviors and social dynamics of community, and if there is a necessity, ***develop*** projects directed towards health care services.
2.3 ***define*** health management and economics principles, models for organization and finance of health care services.
2.4 ***use*** health care resources with cost-effective manners.
3) *advocate* individual and community health under all circumstances.
3.1. ***provide*** consultancy services to sustain and promote the health of individual and community.
3.2. ***explain*** epidemiology of clinical conditions, and ***define*** measures to reduce frequencies.
3.3. ***describe*** completely all high risk factors for the community health (*e.g. natural disasters, nuclear accidents, fire, war, bio-terrorism, etc.*), and ***implement*** necessary measures in order to prevent effects on health.
3.4. ***explain*** health determinants completely (*e.g. physical environment, social environment, genetic background, individual response -behavior, biology-, health care services, welfare, etc.*), including conditions that prevent access to health care.

4) *perform* medical practices according to regulatory and ethical principles and in consideration of behavioral sciences, social sciences, and humanities.
4.1 ***recognize*** determinants affecting individual behaviors and attitudes, and social dynamics. 3

4.2 ***recognize*** basic ethical principles completely, and ***distinguish*** ethical and legal problems.
4.3 ***recognize*** regulations concerning national and international health systems.
4.4 ***employ*** safety, security and confidentiality principles completely for beneficiaries of health care services, companions and visitors, and health care workers.
4.5 ***use*** medical record and information systems according to regulations and ethical principles.
4.6 ***value*** informed consent taking in the framework of patients' rights, and ***employ*** fully.
4.7 ***interpret*** historical, anthropological and philosophical evolution of medicine, health and disease concepts, and ***relate*** to current medical practice
5) *establish* correct and effective communication with all stakeholders of health care services and collaborate.
5.1. ***communicate*** by using problem solving abilities during all of professional life with health care beneficiaries, co-workers, accompanying persons, visitors, patient's relatives, care givers, colleagues, other individuals and organizations.
5.2. ***collaborate*** with related organizations and institutions, with other professionals and health care workers as a team member through using problem solving abilities.
5.3. ***communicate*** with all stakeholders with consideration of socio-cultural differences.
6) *promote* self medical knowledge and skills in view of the current scientific developments throughout own career.
6.1. ***adopt*** and ***implement*** the importance of lifelong self-learning.
6.2. ***recognize*** importance of updating knowledge and skills; ***search*** current advancements and improve own knowledge and skills.
6.3. ***speak*** at least one foreign language at advanced level to follow the international literature and communicate with colleagues.
6.4. ***recognize*** methods to reach current scientific knowledge, and ***use*** available technology.
6.5. ***recognize*** principles of evidence-based medicine, and ***implement*** in health care services.
6.6. ***develop*** and ***present*** research projects.

7) *manage* own postgraduate career.
7.1. ***recognize*** and ***investigate*** postgraduate work domains and job opportunities.
7.2. ***determine*** postgraduate work domains, job opportunities and requirements for application, ***distinguish*** and ***plan*** requirements for further training and work experience.
7.3. ***prepare*** a resume, and **recognize** job interview methods.
7.4. recognize health technologies expected to be implemented in near future and emerging work areas.

COORDINATION COMMITTEES

(TEACHING YEAR 2016–2017)

PHASE-III COORDINATION COMMITTEE

Ferda KALEAĞASIOĞLU, MD, Prof. (Coordinator)
Naz Berfu AKBAŞ, MD, Assist. Prof. (Co-coordinator)
Ayşegül Ç. KUŞKUCU, MD, Assist. Prof. (Co-coordinator)
Hale ARIK TAŞYIKAN, MD, Assist. Prof. (Co-coordinator)
Serdar ÖZDEMİR, MD, Assist. Prof. (Co-coordinator)
Erdem SÖZTUTAR, MD (Co-coordinator)

ICP-III COORDINATION COMMITTEE

Özlem TANRIÖVER, MD, Assoc. Prof. (Coordinator)
Ayşe Arzu AKALIN, MD, Assist. Prof. (Co-coordinator)

DESCRIPTION and CONTENT

Physiopathological process and pathological process.

Infectious Diseases, Cardiovascular System, Respiratory System, Hematopoietic System, Gastrointestinal System, Endocrine System, Urogenital System, Nervous System, Psychiatry, Musculoskeletal System, Basic Clinical Skills, Biomedical Ethics and Deontology, Biostatistics.

Emergency Medicine, Family Medicine, Anesthesiology and Reanimation, Neurosurgery, Biostatistics, Biomedical Ethics and Deontology, Pediatrics, Pediatric Surgery, Pediatric Psychiatry, Endocrinology, Infectious Diseases, Immunology, Phytotherapy, Physical Therapy and Rehabilitation, Physiopathology, Gastroenterohepathology, General Surgery, Pulmonary Diseases, Thoracic Surgery, Ophtalmology, Public Health, Hematology/Oncology, Obstetrics and Gynecology, Cardiology, Otorhinolaryngology, Nephrology, Neurology, Orthopedics and Traumatology, Pathology, Psychiatry, Radiology, Rheumatology, Medical Pharmacology, Medical Genetics, Medical Microbiology, Urology, Medical Education.

AIMS and LEARNING OBJECTIVES of PHASE III

AIMS

In evidence based manner:

1. ***to remind*** anatomy, histology and physiology of body systems,
2. ***to convey*** necessary knowledge, related to body systems, on prevention of clinical conditions' emergence, protection and improvement of health in healthy conditions.
3. at multi-system level or related to a body system, for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency;

3.1. ***to convey*** necessary knowledge on risk factors, etiopathogenesis, physiopathology, and pathology,

3.2. ***to convey*** knowledge on epidemiology,

3.3. ***to convey*** knowledge on frequently encountered clinical complaints, symptoms, signs and findings,

3.4. ***to convey*** necessary knowledge on health care processes, clinical decision making process, clinical decisions and clinical practices, with performance measures, for managing at the level of 7primary health care service,

4. ***to convey*** knowledge on pharmacology of drugs that are effective at multi-system level, specifically on a body system or on clinical conditions involving a specific body system,
5. ***to convey*** knowledge on phytotherapeutic agents that are effective at multi-system level, specifically on a body system or on clinical conditions involving a specific body system,
6. ***to convey*** knowledge on biostatistical analysis,
7. ***to convey*** basic legal and ethical principles that should be followed in practice of medical profession,
8. ***to equip with*** basic and advanced professional and clinical (interventional or non-interventional) skills necessary for practice of medical profession.

LEARNING OBJECTIVES

At the end of this phase, student should be able to:

1.0. ***recall*** anatomy, histology and physiology of body systems.

2.0. ***list*** necessities for prevention of clinical conditions' emergence, protection and improvement of health in healthy conditions in relation to body systems.

3.0. ***explain*** risk factors and etiopathogenesis, at multi-system level or related to a body system, of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency.

4.0. at cellular or tissue level,

4.1. ***recognize*** morphological characteristics,

4.2. ***show*** basic pathological changes that occur in clinical conditions.

5.0. at multi-system level or related to a body system, of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency;

5.1. ***explain*** mechanisms of destruction at molecule, cell, tisssue, organ, system, multi-system and organismal level,

5.2. ***describe*** structural and functional changes caused,

5.3. ***list*** clinical courses in time.

6.0. ***explain*** mechanisms of emergence for frequently encountered;

6.1. clinical complaints,
6.2. symptoms,
6.3. signs,
6.4. laboratory and imaging findings
of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency.
7.0. at multi-system level or related to a body system,
• for healthy conditions in an individual or community with a request, or
• in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
• for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,
explain in an evidence-based manner and with performance measures from the aspects of reliability, practicality and outcomes,
• health care processes,
• acquisition of subjective or objective data, information and knowledge required for clinical decision making,
• clinical decision making process,
• clinical decisions and
• clinical practices
which are required for management at primary health care service level.
7.1. practice of history taking and physical examination (*cardiovascular-C2, pulmonary-C2, gastrointestinal-C4, gynecological-C5, breast-C5, neonatal, prepubertal/pubertal-C6, neurological/neuropsychiatric-C7, musculoskeletal-C8*)
7.2. evaluation of emergency case (*sepsis and septic shock-C1, dyspnea-C2, acute abdominal pain-C4, urological emergencies-C6, neurological emergencies-C7, trauma-C8*)
7.3. approach to healthy individual or patient (*fever-C1, cardiovascular disease-C2, chest pain-C2, cough and hemoptysis-C2, dyspnea-C2, anemia-C3, lymphadenopathy-C3, diarrhea-C4, pregnancy-C5, urinary tract infection-C6, neurological symptoms-C7, headache-C7, depression-C7, dementia-C7, musculoskeletal dysfunction-C8*)
7.4. laboratory and imaging tests/examinations
7.4.1. based on laboratory disciplines/subdisciplines;
1. medical biochemistry tests:
i. *(venous blood collection-C5*)
ii. *(thyroid function tests-C5, diabetes tests-C5)*
2. medical microbiology tests:
i. *(urine sample collection-C1, throat swab specimen-C5, sputum sample collection-C5, urethral-vaginal-cervical discharge/swab specimen-C6, fecal specimen collection-C6, wound sample collection-,blood collection for culture-*)
ii. *(urine strip/dipstick test-C1, urine culture-C1, rapid screening (antigen/antibody) tests-C5, throat culture-C5, sputum culture-C5, urethral-vaginal-cervical discharge culture-C6, fecal culture-C6, wound culture-, blood culture-)*
3. medical pathology tests:
i. *(C2, C4, C6, C7, C8, Pap smear collection)*
ii. *(C2, C4, C6, C7, C8, Pap smear)*

4. other laboratory tests:
i. *(peripheral/venous blood collection for hematology tests-C3, blood sample collection for therapeutic drug monitoring-C8)*
ii. *(pulmonary function tests-C2, hematology tests for anemia-C3, monitarization of drug therapy-C8)*

7.4.2. imaging tests/examinations based on disciplines/subdisciplines: 8

5. radiological examinations: *(radiological examinations in gynecology-C5, breast imaging-C5, uroradiology-C6, conventional neuroradiological examinations-C7, spinal neuroradiology-C7, cranial CT-C7, cranial MRI-C7, radiological imaging of musculoskeletal system-C8, radiological examinations in benign ve malign tumors of bones-C8)*
6. nuclear medicine examinations: *(nuclear medicine tests in infectious diseases-C1, radionuclide ventriculography-C2, myocardial scintigraphy-C2, cardiac PET-C2, ventilation/perfusion scintigraphyi-C2, PET in lung cancer-C2, nuclear medicine tests in hematology-C3, scintigraphy of liver/spleen-C4, PET in gastrointestinal system tumors-C4, radioisotope imaging of thyroid and parathyroid-C5, renal scintigrahy (GFR, ERPF, Renogram)-C6, brain perfusion scintigraphy-C7, brain PET-C7, bone scintigraphy-C8)*

7.4.3. point of care testing
a. based on laboratory disciplines/subdisciplines;
1. medical biochemistry tests: *(diabetes tests-C5, cardiac markers-, coagulation tests-, blood gases-).*
2. medical microbiology tests: *(urine strip/dipstick test-C1, rapid screening (antigen/antibody tests-C5)*
3. other laboratory testsi: *(hematology-peripheral blood smear examination-C3, hematology-complete blood count-)*

7.5. making preliminary diagnosis or definitive diagnosis decision
7.6. making non-intervention or intervention decision
7.7. practicing non-intervention or intervention
7.8. referral/transport of healthy individual or patient

INTRODUCTION to CLINICAL PRACTICE- III (MED 303)

Aim

This course aims to equip the students with basic medical skills such as history taking regarding to systems and in general, physical and mental examination in simulated environments in pre-clinical period and to give the students opportunity to develop skills by applying non –invasive or invasive procedures on the mannequins before encountering with real patients. The students improve the gained skills by observing real encounters in the clinical settings during 2nd and 3rd year.

Learning Objectives

Description

ICP is a three year longitudinal course that aims to introduce students to the concepts and main elements of medical practice. It will also be an introduction to the medical profession as a whole and will provide a foundation for clinical practice. The course provides knowledge, cognitive and motor skills and experience in fundamental processes and aspects of medical practice. It involves the application of scientific theory, quality assurance and evidence-based best practice protocols.

Credit Facility:

This course has 5 ECTS credits for the first and third year students while it is 4 ECTS for the second year students and all of the students are required to pass this course in order to pass the year.

Content of the ICP I-II-III

First year medical students gain knowledge on First Aid approaches, develop skills in Basic Life Support, Patient/Casualty Transportation and Bandaging Techniques regarding to First Aid. They also acquire basic knowledge on communication and experience patient-doctor encounter with simulated patients (SP's).

The second years ICP Program consist of modules like handwashing, wearing sterile gloves, assessing vital signs, nasogastric intubation, bladder catheterization, intramuscular, subcutaneous, intradermal and intravenous injections as well as iv. catheterization.

In the third year medical students practice with SP's clinical skills like history taking and physical examination focused on body systems and in general and also . mental examination They also gain clinical skills such as suturing techniques and Advanced Cardiac Life Support.

Clinical Skills Laboratory

The Clinical Skills Laboratory is designed for teaching and assessing students at undergraduate level (during the preclinical period from first-year to third year). The lab provides learners with the ideal setting to practice the clinical skills of history taking, physical examination, communication, and gives opportunities to practice invasive and non invasive procedural skills on mannequins.

Each exam room is equipped with video cameras and microphones to record the encounter. An observation area at the center of the lab allows faculty and students to observe the encounters live or view digital recordings for subsequent analysis.

Simulated Patients (SPs)

The simulated patient encounters provide transition of students from the classroom to standardized patient contact in safe environments.

Encounters with specially trained individuals, known as simulated patients (SPs), simulate specific cases in outpatient and emergency settings. The pool of SPs consist of adults, from various backgrounds.

Clinical cases are created through research and extensive training of the patients portraying these roles.

Assessment: The Assessment procedure of ICP is given in Assessment Table in this booklet.

Rules for Attendance of the Students: Students are grouped into 4 and group lists are announced in the announcement board at the beginning of the year. Any changes to practical groups on a week by week basis, will only be considered in exceptional situations such as a medical one. Any changes must be requested by a petition along with relevant documentation to the course coordinator. Any change in sessions will only be accepted interchangeably with another student in another group based on availability of work spaces and course coordinator's discretion (based on evidence provided).
Students are required to follow the rules of professional ethics in the laboratory at any time.

When an OSCE is conducted both students and faculty members complete a written evaluation of the event for the improvement of the course and OSCE.

SPECIFIC SESSIONS / PANELS

Introductory Session

Aim of the session:
The session provides basic information about Yeditepe University Faculty of Medicine Undergraduate Medical Education Program (YUFM/UG-ME) and the educational phase relevant to the students. This session orients the students to the program and the phase.

Objectives of the Session:
1. To provide basic information about the YUFM/UG-ME.
2. To provide basic information about the phase.
3. To provide essential information on social programs and facilities.

Rules of the Session:
1. The session will be held in two types, conducted by Phase Coordinator and Committee Coordinator, respectively.
2. The first type will be held once in the first week of the educational phase. The second type will be held at the beginning of each committee.
3. Students should attend the session.

Implementation of the Session:
In the first type, Phase Coordinator will present brief information on the following topics:
- Organizational Chart of Yeditepe University Faculty of Medicine Undergraduate Program (YUFM/UG-ME), Work Descriptions and Introduction of Committees Members,
- Directives on YUFM/UG-ME,
- YUFM/UG-ME Program Outcomes
- Learning Objectives of the Phase
- Academic Program of the Phase
- Teaching and Learning Methods
- Learning Environments and Sources/Resources
- Attendance
- Elective Courses (only in Phase I and Phase II)
- Assessment Procedure
- Grade Point Average, Cumulative Grade Point Average (GPA, cGPA) Calculation
- Pass/Fail Conditions
- Feedback of the Previous Year and Program Improvements
- Social Programs and Facilities

In the second type, Committee Coordinator will present brief information on the following topics:
- Learning Objectives of the Committee
- Academic Program of the Committee
- Teaching and Learning Methods
- Learning Environments and Sources/Resources, References
- Attendance
- Assessment Methods and Question Distribution Table
- Committee Score Calculation Method
- Pass/Fail Conditions
- Feedback of the Previous Year and Program Improvements
- Social Programs and Facilities

Committee Evaluation Session

Aim of the Session:

The aim of the session is to evaluate the committee educational program, with all its components, by the students and the committee coordinators. This session will contribute to the improvement of the educational program in general by giving the opportunity to identify the strengths of the committee educational program and revealing the areas which need improvement.

Objectives of the Program Evaluation Session are to;

- establish a platform for oral feedbacks in addition to the systematically written feedback forms
- give the opportunity to the students and the coordinators to discuss the committee period face to face
- allow the students to review the committee exam questions together with faculty members.

Process:

The total duration of the session is 90 minutes and the session consists of two parts. The first part (30 minutes) is dedicated to oral feedback by the students. All of the oral feedback will be recorded and reported by the committee coordination team. In the second part (60 minutes) committee exam questions will be reviewed and discussed by students and faculty.

Rules of the Committee Evaluation Session :

1. The **Committee Evaluation Session** will be held on the last day of each committee after the committee exam.
2. Students are required to attend the session.
3. The Committee coordinator will lead the session.
4. The faculty members who had contributed questions in the committee exam should attend the session.
5. Students must comply with the feedback rules while giving verbal feedback and all participants shall abide by rules of professional ethics.

Committee Improvement Session

Aim:

The aim of this session is sharing the program improvements based on the evaluation of the educational program data, with the students and the faculty members.

Objectives:

1. To share the improvements within educational program with the students and the faculty members.
2. To inform the students and the faculty members about the processes of the program improvement
3. To encourage student participation in the program improvement processes.

Rules:

1. Program improvements session will be implemented once a year. The implementation will be performed at the begining of the spring semester.
2. Students are required to attend the session.
3. The phase coordinator will monitor the session. If necessary the dean, vice deans and heads of the educational boards will attend to the session.
4. All faculty members will be invited to the session.

Implementation:

Before the Session

1. Phase coordinator will report the results of the improvements of the educational program.
2. The program improvements report has three parts. The first part of the report includes improvements that have been completed, and those that are currently in progress. The second part of the report includes, improvements that are planned in medium term, and the third part of the report includes, improvements that are planned in the long term.
3. The program improvements report also includes the program evaluation data (student feedbacks, faculty feedbacks, results of the educational boards meetings etc.) in use of improvements.

During the Session

4. The phase coordinator will present the program improvements report to the students and the faculty members.
5. Students can ask questions about, and discuss, the results of the program improvement.

Process: The total period of session is 30 minutes and has two parts. The first part (15 minutes) covers, presenting of the program improvement report. The second part (15 minutes) covers, students' questions and discussion.

After the Session

6. The program improvement brief will be published on the website of Yeditepe University Faculty of Medicine (http://med.yeditepe.edu.tr).

Multidisciplinary Case Discussion Panel

Aim:
The aim of this instructional method is, to integrate what students learnt during committee, to fit in the clinical context and to promote deep learning.

Objectives:
1. To relate learning objectives of the committee,
2. To relate clinical cases and learning subjects,
3. To explain learning objectives in the resolution of clinical cases,
4. To value the importantance of multidisiplinary study in the resolution of clinical cases.

Implementation:
Before the Panel
1. Case/cases that will be discussed in the panel will be chosen by a multidisiplinary team, in compliance with committee learning objectives.
2. The resources to analyse the cases will be specified by multidisiplinary team.
3. Students can get hard copies of the cases and the list of sources from student affairs at the beginning of the committee.
4. Students shall study cases in the context of learning objectives before the panel.
5. Before the panel, students may consult the faculty members for information about cases.

During the Panel
6. Cases will be shared visually with students by the multidisiplinary team.
7. Possible resolution of cases will be shared and discussed with students by the multidisiplinary team.
8. After the resolution of cases, students can ask questions to faculty members about the commitee learning obcetives in the context of cases.

Process: The total duration of the Panel is 60 minutes and has 2 parts. The first part (40 minutes), covers the presentation of cases, resolution of cases, asking questions to students and discussion as suitable to learning objectives during the resolution by multidisiplinary team. The second part (20 minutes), covers students' questions and discussion.

After the Panel
9. Students may continue reviewing the cases in the context of committee learning objectives.
10. The multidisiplinary team will review the usefulness of cases as a learning tool in the context of committee learning objectives. "The Panel Report" will be written by the multidisiplinary team.

INDEPENDENT LEARNING

Description:
"Independent learning" is a process, a method and a philosophy of education in which a student acquires knowledge by his or her own efforts and develops the ability for inquiry and critical evaluation. It includes freedom of choice in determining one's learning objectives, within the limits of a given project or program and with the aid of a faculty adviser. It requires freedom of process to carry out the objectives, and it places increased educational responsibility on the student for the achieving of objectives and for the value of the goals (1).

Aim:
The aim of this instructional strategy is to develop the students' ability, to learn individually, so they are prepared for the classroom lessons, lectures, laboratory experiences and clinical practices, exams, professional life and have the abilities needed for lifelong learning.

Objectives:
With this instructional strategy, students will develop;

- the skills that will help them to learn independently.
- self-discipline in their work habits.
- their evidence based research skills by using reliable resources.
- their teamwork skills by studying together.
- their clinical skills as self-directed working in the clinical skills laboratory.

Rules:
1. All of the students will define independent learning process according to below algorithm.
2. All of the students will be required to fill out a form, which is a self-assessment form for the independent learning (methodology: timing, sources, strategy, etc.).
3. The students' academic performance and independent learning methodology will be analyzed comparatively, and feed-back on further improvements will be provided.

What a student should do for learning independently?
1. **Analyzing:** First you will need to analyze carefully, what your problems and weaknesses are. For example, if you are studying anatomy, is your weak area broadly upper limb, lower limb, or what?
2. **Addressing:** Once you've decided your specific problems, you can list them. Which one needs to be addressed urgently? Work out your priorities. Whatever your subject area is, don't be afraid to return to the basics if necessary. It may give you more confidence in the long run to ensure you have a proper understanding of basic concepts and techniques.
3. **Accessing:** If you need reliable information, or if you need to read about a subject and put it into context, a textbook may be the best place to start. However, the Internet may be helpful if you need very up-to-date information, specific facts, or an image or video etc. If you need an academic research article, reports or case studies for your topic, then a database (Pubmed etc.) would be the best option.
4. **Timing:** In the weekly syllabus you will see, a specific time called "independent learning hour" for your independent work. In addition to these hours, the students should also have their own time schedule for their study time at home.
5. **Planning:** Your next step will be to work out a realistic study-plan for your work. What goals could you literally set for yourself? Don't make them too ambitious but set minor goals or targets that you know you will be able to achieve without having to spend a very long time working on them. How many hours will you need to achieve them? How will you know when you've achieved them?
6. **Recording:** When you work independently, it's a good idea to keep a written record of the work you've done. This can help with further planning and also give a sense of achievement as well as provide something to include in a progress file. As time goes by you may surprise yourself with what you've been able to achieve. This could motivate you to keep going, as could increase your confidence, and even improve your results
7. **Reflecting:** Reflecting on what you've done can help you decide whether the activity was really effective, whether an alternative approach might be better on another occasion, whether you spent the right amount of time and whether you have achieved the target you'd set yourself.

8. **Improving:** Once you've achieved the target, the process of planning can start again. Your needs and priorities may have changed, so think about them and then set yourself to another target.

Reminder: For further information about the independent learning, please contact the Department of Medical Education.

Reference:

1. Candy, P. (1991) Self-direction for lifelong learning: a comprehensive guide to theory and practice. San Francisco: Jossey Bass.

For further reading useful resources to recommend to students:

- Burnapp, D. (2009). Getting Ahead as an International Student. London: Open University Press.
- Marshall, L. & Rowland, F. (1998) A Guide to learning independently. London: Open University Press.
- University of Southampton / UKCISA online resource ‘Prepare for Success’

ASSESSMENT PROCEDURE

The Assessment Procedure of the Phase III covers exams and scores and their abbrevations that shown below.

- Exams:
    - Committee Exam (CE)
    - Mid-term Exam (MTE)
    - Final Exam (FE)
    - Incomplete Exam (ICE)
    - Make-up Exams (MUE)
- Scores*:
    - Committee Score (CS)
    - Committees Mean Score (CMS)
    - Introduction to Clinical Practice Score (ICPS)
    - Scientific Project Score (SPS)
    - Final Exam Score (FES)
    - Incomplete Exam Score (ICES)
    - Term Score (TS)

* All scores have a range of 0-100 points.

Assessment approaches, assessment methods and assessment tools, that related with the exam and score types, are shown in below table.

Assessment Approaches	Assessment Methods	Question Types / Assessment Tools	Exams	Derived Scores
Knowledge-based Assessment	WE: Written Examination	MCQ: Multiple Choice Questions	CE, MTE, FE, ICE	CS, ICPS, FES, ICES
		EMQ: Extended Matching Questions	CE	CS
		FSAQ: Fill-in-the-Blank Short Answer Questions	MuE	CS
Competency–based Assessment	OSCE: Objective Structured Clinical Examination	OSCE Checklist		ICPS
Performance–based Assessment	PWPE: Project Writing and Presenting Evaluation	PWPE Checklist		SPS

Exams Information (MED 302, MED 303)	
CE	For the proportional correspondence of individual learning objectives, please see the committee's assessment matrix table/page.
FE	FE consists of 200 MCQs. For the proportional contribution of each committee, please see the committee's assessment matrix table/page.
ICE	ICE consists of 200 MCQs. For the proportional contribution of each committee, please see the committee's assessment matrix table/page.
MUE	MUE will be held only twice in a term. MUE consists of FSAQs. MUE content will be developed by the coordination committees.

Scores Information (MED 302, MED 303)	
CS	The committee score is based on various question types/numbers and/or assessment tools (MCQ, EMQ, MEQ or Checklists). Please see the committee's assessment matrix table/page for the specifications.
CMS	= Average of CSs
ICPS	= (50% OSCE1) + (50% OSCE2)
SPS	= Score information is shown in below Scientific Projects Assessment Table.
FES	= Final Exam Score
ICES	= Incomplete Exam Score
TS *for students, who are exempted from FE*	= 96% of CMS + 4% of SPS
TS *for students, who are not exempted from FE*	= 96% of (60% of CMS + 40% of FES or ICES) + 4% of SPS

Pass or Fail Calculations of the Courses
Basic Medical Sciences III (MED 302)
Pass; *TS* **≥ *50***
Fail; *FES* **< *50*** *(barrier point), ICES* **< *50*** *(barrier point), or/and TS* **< *50***
The student is exempted from FE, if the CMS is **≥ *75*** *and all CSs are* **≥ *50***
The FE and ICE barrier point is not applied to the students whose all CSs are **≥ *50***
Introduction to Clinical Practise III (MED 303)
Pass; *ICPS* **≥ *50***
Fail; *ICPS* **< *50***

The Assessment Procedure of the Phase III will be announced and explained in the introductory session at the beginning of the academic year.

Definitions of the Assessment Methods and Question Types

MCQ consist of a question, followed by five plausible alternative responses from which the student has to select the correct one.

EMQ are similar to multiple choice questions but with one key difference, that they test knowledge in a far more applied, in depth, sense. EMQ is based on a single theme, two or more questions and has a long option list.

MEQ is made up of one or more short answer questions. The student is provided with basic science or clinical information and then asked to write brief responses to one or more questions. When a series of questions is presented, additional information about the original problem can be provided at each subsequent step, guiding the students through an analytical process.

FSAQ, Fill-in-the-Blank Short Answer Questions are typically composed of a brief prompt that demands a written answer that varies in length from one or two words to a sentence.

OSCE describes a form of competency-based testing used to measure a student's clinical competence. During an OSCE, students are observed and evaluated as they go through a series of stations in which they interview, examine and treat simulated patients who present with some type of medical problem.

SCIENTIFIC PROJECTS – III

The aim of Scientific Projects program is to develop awareness in medical students for the importance of scientific projects in profession and provide them opportunity to gain knowledge, skills and attitudes in writing and conducting a scientific project. Throughout the year, each Phase Three student is expected to prepare a scientific project proposal. Students are free to choose their research area and advisor for their prospective research project. Students who wish to apply for a "TUBITAK 2209-A National Grant Program for University Students" has to send in their proposals before February 2016, the rest should hand in their proposals before the end of March. Scientific Projects course has 4% contribution to Term Score (TS).

SCIENTIFIC PROJECTS ASSESSMENT TABLE

CRITERIA	**Unsatisfactory**	**Below Expectations**	**Meets Expectations**	**Above Expectations**	**Clearly Outstanding**	**Not Addressed / Observed**
Is the question/ problem presented clearly?	1	2	3	4	5	0
Creativity/originality of the Project	1	2	3	4	5	0
Is set up of the Project suitable to obtain aims?	1	2	3	4	5	0
Presentation of aims in an easy to understand format	1	2	3	4	5	0
Review of project proposal in light of literature	1	2	3	4	5	0
Proposal presentation in correct format	1	2	3	4	5	0
Does proposal explain the project's significance and contributions well?	1	2	3	4	5	0
Project calendar presentation	1	2	3	4	5	0
TOTAL POINTS	**40 x 2.5=100 pts (if all criteria has 5 points)**					

EXAM RULES

- **Seating-** Students will be seated by the exam observers or proctors. Students are not allowed to change their seats without permission.
- **Electronics** – During examinations or tests, students are prohibited from using electronic devices or any other means of communication and recording that have not been approved beforehand. All electronic devices are prohibited. Anyone who fails to comply with these regulations may be charged with academic fraud.
- **Absence** – No additional time will be given to students who are absent for part of the exam, regardless of the reason for their absence.
- **Scratch Paper** – Students are not allowed to bring scratch paper into the exam room.
- **Meaning of Questions** – Students may not consult the supervisor as to the meaning of any question.
- **Signature** – Students must sign their multiple-choice answer sheets and/or written-answer sheets.

- **Other activities requiring disciplinary action**-
    - Students must not give or receive Asstance of any kind during the exam.
    - Gaining access to exam questions before the exam.
    - Using an unauthorized calculator or other mechanical aid that is not permitted.
    - Looking in the exam book before the signal to begin is given.
    - Marking or otherwise writing on the exam book or answer sheet before the signal to begin is given.
    - Making any changes, additions, deletions or other marking, erasing or writing on the exam book or answer sheet after the time for the exam has expired.
    - Having access to or consulting notes or books during the exam.
    - Looking at or copying from another student's paper.
    - Enabling another student to copy from one's paper.
    - Talking or otherwise communicating with another student during the exam or during the read through period.
    - Disturbing other students during the exam.
    - Consulting other persons or resources outside the exam room during the exam.
    - Copying questions or answers either on paper or with an electronic device to take from the exam room.
    - Taking an exam book or other exam materials from the exam room.
    - Taking an exam in place of another student.
    - Arranging to have another person take an exam for the student.
    - Disobeying to the conduct of supervisor during the exam.
    - Disclosing the contents of an exam to any other person.
    - Failing to remain in the exam room for a given period of time by the supervisors.
    - Failing to follow other exam instructions.

Those students found to have committed academic misconduct will face administrative sanctions imposed by the administration of Yeditepe University Faculty of Medicine according to the disciplinary rules and regulations of the Turkish Higher Education Council (YÖK) for students (published in the Official Journal on August 18th, 2012). The standard administrative sanctions include, the creation of a disciplinary record which will be checked by graduate and professional life, result in grade "F" on the assignment, exams or tests or in the class. Students may face suspension and dismissal from the Yeditepe University **for up to one school year**. In addition, student may loose any academic and non academic scholarships given by the Yeditepe University **for up to four years**. The appropriate sanctions are determined by the Yeditepe University administration according to egregiousness of the Policy violation.

COURSE LOCATIONS

COURSE CODES	COURSE NAMES	LOCATIONS
MED 302	Introduction to Clinical Sciences	**Lectures/Sessions/Panels:** Room Number: B309, Base Floor, Medical Faculty Block, Yeditepe University Campus. **Microbiology Laboratory:** Room Number: 934, 5th Floor, Medical Faculty Block, Yeditepe University Campus. **Pathology Laboratory:** Room Number: 929-930, 5th Floor, Medical Faculty Block, Yeditepe University Campus.
MED 303	Introduction to Clinical Practice	**ICP-CSL:** Room Number: 442, Base Floor, Medical Faculty Block, Yeditepe University Campus. **YH:** Yeditepe University Hospital.

Yeditepe University Campus Address: İnönü Mah. Kayışdağı Cad. 26 Ağustos Yerleşimi, 34755, Ataşehir, İstanbul.

Yeditepe University Hospital Address: İçerenköy Mah. Hastane Yolu Sok. No:102-104. Ataşehir, İstanbul.

ACADEMIC CALENDAR of PHASE III 2016 - 2017

COMMITTEE I		
INFECTIOUS DISEASES (5 Weeks)		
Beginning of Committee	September 05, 2016	Monday
End of Committee	October 07, 2016	Friday
Committee Exam	**October 07, 2016**	**Friday**
Religious Holiday	**September 12-16, 2016**	**Monday-Friday**
COMMITTEE II		
CARDIOLOGY AND RESPIRATORY SYSTEM (7 Weeks)		
Beginning of Committee	October 10, 2016	Monday
End of Committee	November 25, 2016	Friday
Committee Exam	**November 25, 2016**	**Friday**
National Holiday	**October 28$^{1/2}$, 2016**	**Friday**
Commemoration of Atatürk	**November 10, 2016**	**Thursday**
COMMITTEE III		
HEMATOPOIETIC SYSTEM (3 Weeks)		
Beginning of Committee	November 28, 2016	Monday
End of Committee	December 16, 2016	Friday
Committee Exam	**December 16, 2016**	**Friday**
COMMITTEE IV		
GASTROINTESTINAL SYSTEM (4 Weeks)		
Beginning of Committee	December 19, 2016	Monday
End of Committee	January 13, 2017	Friday
Committee Exam	**January 13, 2017**	**Friday**
New Year	**January 01, 2017**	**Sunday**
MIDTERM BREAK	**January 16, 2017**	**January 27, 2017**

COMMITTEE V
ENDOCRINE SYSTEM and REPRODUCTIVE SYSTEMS (5 Weeks)

Beginning of Committee	January 30, 2017	Monday
End of Committee	March 03, 2017	Friday
Committee Exam	**March 03, 2017**	**Friday**
OSCE I (Exam)	**February 23-24, 2017**	**Thursday-Friday**
Make-up Exam I (ICS)	**February 2, 2017**	**Thursday**

COMMITTEE VI
URINARY SYSTEM (4 Weeks)

Beginning of Committee	March 06, 2017	Monday
End of Committee	March 31, 2017	Friday
Committee Exam	**March 31, 2017**	**Friday**
ICP Make-up Exam	**March 23, 2017**	**Thursday**
Physicians' Day	**March 14, 2017**	**Tuesday**

COMMITTEE VII
NERVOUS SYSTEM and PSYCHIATRY (6 Weeks)

Beginning of Committee	April 03, 2017	Monday
End of Committee	May 12, 2017	Friday
Committee Exam	**May 12, 2017**	**Friday**
Labour's Day	**May 01, 2017**	**Monday**

COMMITTEE VIII
MUSCULOSKELETAL SYSTEM (4 Weeks)

Beginning of Committee	May 15, 2017	Monday
End of Committee	June 09, 2017	Friday
Committee Exam	**June 09, 2017**	**Friday**
OSCE II (Exam)	**June 12-13, 2017**	**Monday-Tuesday**
Make-up Exam II (ICS)	**June 16, 2017**	**Friday**
National Holiday	**May 19, 2017**	**Friday**
Final Exam	June 30, 2017	**Friday**
Incomplete Exam (ICP)	**July 28, 2017**	**Monday**
Incomplete Exam (ICS)	**July 28, 2017**	**Friday**

1. Coordination Committee Meeting	October 20, 2016	**Thursday**
2. Coordination Committee Meeting	January 05, 2017	**Thursday (with student participation)**
3. Coordination Committee Meeting	May 10, 2017	**Wednesday (with student participation)**
4. Coordination Committee Meeting	July 04, 2017	**Tuesday**

RECOMMENDED TEXTBOOKS

Biomedical Ethics & Deontology
1. Marcia Lewis , Carol D. Tamparo. Medical Law, Ethics, & Bioethics for the Health Professions, F.A. Davis Publishing House, 2012, ISBN: 0803627068
2. Michael Boylan. Medical Ethics, Wiley-Blackwell Publishing House, 2013, ISBN: 978-1118494752

Biostatistics
1. Pagano, Marcello, Gauvreau, Kimberlee. Principles of Biostatistics. Duxbury Press, 2000 ISBN 0534229026, 9780534229023.
2. Glantz, Stanton A. Primer of Biostatistics. 7th Edition. McGraw Hill Professional, 2011. ISBN 0071447814, 9780071447812.

Infectious Diseases and Clinical Microbiology
1. Murray, Patrick R, Rosenthal, Ken S, Pfaller, Michael A.. Medical Microbiology with STUDENT CONSULT Online Access. 7th Edition, 2012, ISBN-10: 0323086926, ISBN-13: 978-0323086929.

Medical Genetics
1. Turnpenny, Peter D, Ellard, Sian. Emery's Elements of Medical Genetics. 14th Edition. Churchill Livingstone, 2012, ISBN: 9780702040436

Neurosurgery
1. Microneurosurgery, Volume I to VolumeV, Thieme Kindle Edition by Mahmut Gazi Yasargil (Author)
2. Neurology and Neurosurgery Illustrated,5th Edition by Kenneth W. Lindsay PhD FRCS (Author), Ian Bone FRCP FACP (Author), Geraint Fuller MD FRCP (Author)
3. Handbook of NeurosurgeryFeb 22, 2010 by Mark S. Greenberg

Pharmacology
1. Harvey, Richard A. Lippincott's Illustrated Review of Pharmacology. , Wolters Kluwer Health, 2012. ISBN-13: 978-1451113143; ISBN-10: 1451113145
2. Katzung, Bertram G., Masters, Susan B., Trevor Anthony J. Katzung's Basic & Clinical Pharmacology. 12th Edition. McGraw Hill Companies, 2012. ISBN-13: 978-0071825054; ISBN-10: 0071825053.
3. Brunton, Laurence, Chabner, Bruce, Knollman, Bjorn. Goodman&Gilman's The Pharmacological Basis of Therapeutics. Editors: 12th Edition. McGraw Hill Companies, 2011. ISBN-13: 978-0071624428

Orthopedic Surgery
1. Ortopedik Fizik Muayane, çeviri ed. Uğur Şaylı, Güneş Tıp Kitapevi
2. Review of Orthopaedics, 6th edition (ed. Mark D. Miller)
3. AAOS Comprehensive Orthopaedic Review, 2nd edition (ed. Martin I. Boyer)

Pathology
1. Abbas Aster, Kumar. Robbıns Basıc Pathology. 9th edition, Saunders, Elsevıer Inc. 2013. ISBN:978-0-8089-2432-6

Psychiatry
1. Öztürk O. Ruh Sağlığı ve Bozuklukları. 2. Baskı, Ankara 2011. ISBN: 9786058617292
2. Sadock BJ, Sadock VA, Ruiz P. Kaplan & Sadock's Comprehensive Textbook of Psychiatry, 9. Ed. 2009, Lippincott Williams & Wilkins, PA, USA. ISBN: 9780781768993
3. Purves D, Augustine GJ. Fitzpatrick D. et al. Neuroscience. 5. Ed. 2012, Sinauer Assoc, Mass, USA. ISBN: 9780878936953

General Surgery
1. Brunicardi, F. Schwartz's Principles of Surgery, 10th edition, July 16, 2014, ISBN: 0071796754 / 9780071796750

Urology
1. Campbell-Walsh Urology, 11th Edition 4-Volume Set. By Alan J. Wein, MD, FACS, PhD (hon), Louis R. Kavoussi, MD, Alan W. Partin, MD, PhD and Craig A. Peters, MD, FACS, FAAP. Imprint: Elsevier. ISBN: 978-1-4557-7567-5. Copyright: 2016

COMMITTEES

In phase I, II and III, the formation of committees is based on a thematic structure. This structure corresponds to organizational levels of human body such that macromolecule, organelle, cell, tissue, organ systems and finally introduction to pathogenesis.

- Phase I: Normal structure and function of human body at molecular, cellular, tissue and organ level.
- Phase II: Normal structure and function of human body at system and multi-system level, and introduction to pathogenesis.
- Phase III: Physiopathological and pathological processes in human body.

Besides this thematic structure, there is a continuous clinical skills education in Phase I, II and III, as “Introduction to Clinical Practice -I, -II and -III” courses.

Therefore, the core medical courses are;

- Phase I: MED 104 Basic Medical Sciences I, MED 102 Introduction to Clinical Practice I, MED 103 Anatomical Drawing,
- Phase II: MED 201 Basic Medical Sciences II, MED 202 Introduction to Clinical Practice II,
- Phase III: MED 302 Introduction to Clinical Sciences, MED 303 Introduction to Clinical Practice III.

The learning objectives of the phase include learning objectives of core courses. The learning objectives of committees include learning objectives of core courses’ components for the committee.

COMMITTEE I - INFECTIOUS DISEASES

DISTRIBUTION of LECTURE HOURS

September 05, 2016 - October 07, 2016

COMMITTEE DURATION: 5 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY	IDCM	18		2 (4 Groups)		**20**
	PHARMACOLOGY	PC	15				**15**
	PATHOLOGY	PT	8				**8**
	PUBLIC HEALTH	PH	8				**8**
	BIOMEDICAL ETHICS & DEONTOLOGY	BED	8				**8**
	BIOSTATISTICS	BS	4				**4**
	INTERNAL MEDICINE	IM	2				**2**
	PATHOPHYSIOLOGY	PP	2				**2**
	FAMILY MEDICINE	FM	2				**2**
	MEDICAL GENETICS	MG	2				**2**
	EMERGENCY MEDICINE	EM	1				**1**
	PEDIATRICS	PED	1				**1**
	SCIENTIFIC PROJECTS-III	SP	1				**1**
	INTERDISCIPLINARY	MCDP				2	**2**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			3 (4 Groups)		**3**
TOTAL			**72**		**5**	**2**	**79**

Coordination Committee

HEAD	Meral Sönmezoğlu, MD, Prof.
SECRETARY	İ. Çağatay Acuner, MD, Assoc. Prof.
MEMBER	Yaşar Küçükardalı, MD, Prof.
MEMBER	Hale Arık Taşyıkan, MD, Asst. Prof.

COMMITTEE I - INFECTIOUS DISEASES
LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY	Meral Sönmezoğlu, MD, Prof. İ. Çağatay Acuner, MD, Assoc. Prof.
PHARMACOLOGY	Ece Genç, PhD, Prof. Ferda Kaleağasıoğlu, MD, Prof.
PATHOLOGY	Ferda Özkan, MD, Prof. Işın Doğan Ekici, MD, Prof. Ahmet Sedat Çöloğlu, DMD, Prof.
PUBLIC HEALTH	Erol Sezer, MD, Prof Hale Arık Taşyıkan, MD, Asst. Prof
PATHOPHYSIOLOGY	Mehtap Kaçar, MD, Assoc. Prof.
PEDIATRICS	Suat Biçer, MD, Assoc. Prof.
BIOMEDICAL ETHICS & DEONTOLOGY	Elif Vatanoğlu, MD, Assoc. Prof.
FAMILY MEDICINE	Güldal İzbırak, MD, Assoc.Prof. Özlem Tanrıöver, MD, Assoc.Prof.
INTERNAL MEDICINE	Yaşar Küçükardalı, MD. Prof.
EMERGENCY MEDICINE	Mustafa Ferudun Çelikmen, MD, Asst Prof.
BIOISTATISTICS	Çiğdem Kaspar, PhD, Asst. Prof.
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Asst. Prof.
SCIENTIFIC PROJECTS-III	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Sezgin Sarıkaya, MD, Assoc. Prof. Mustafa Ferudun Çelikmen, MD, Asst. Prof. Pınar Tura, MD, Asst. Prof.

COMMITTEE I - INFECTIOUS DISEASES
AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on structures of agents that cause infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,
2. ***to convey*** knowledge on epidemiology of infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,
3. ***to convey*** knowledge on pathogenesis mechanisms of agents that cause infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,
4. ***to convey*** necessary knowledge on prevention of infectious clinical conditions, and protection or improvement of health against these conditions,
5. ***to convey*** knowledge on mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing infectious clinical conditions, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
7. ***to convey*** necessary knowledge on pharmacology of drugs used in infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,
8. ***to convey*** necessary knowledge on ethical problems encountered in health care service and utilization, and on principles of solutions,
9. ***to convey*** biostatistical knowledge required in design of medical research,
10. ***to convey*** necessary knowledge on genetical basis of clinical conditions,
11. ***to equip with*** basic clinical skills, (intravenous injection on phantom model), required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***explain*** basic characteristics of infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,
2.1. ***recall*** structures, and
2.2. ***explain*** mechanisms of pathogenesis of agents (bacteria, viruses, fungi, parasites, prions) that cause infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,
3.0. ***classify*** infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, based on causative agents and systems,
4.0. ***explain*** mechanisms of change in structure and function at molecular, cellular, tissue, system, multi-system and organismal levels in infectious clinical conditions which are frequent in community

and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

5.0. ***explain*** mechanisms of host immune response to and consequences in infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

6.0. ***explain*** epidemiology of infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

7.0. ***explain*** requirements for prevention of infectious clinical conditions, and protection or improvement of health against these conditions, in healthy or susceptible individual or community,

8.0. ***explain*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

9.0. at multi-system level or related to a body system,

- for healthy conditions in an individual or community with a request against infectious clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- for infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices which are required for management at primary health care service level:

9.1. practice of history taking and physical examination

9.2. evaluation of emergency case (sepsis and septic shock-C1)

9.3. approach to healthy individual or patient (fever-C1)

9.4. laboratory tests/examinations (urine sample collection-C1, urine strip/dipstick test-C1, urine culture-C1)

9.5. imaging tests/examinations (nuclear medicine tests in infectious diseases-C1)

9.6. point of care testing (urine strip/dipstick test-C1)

9.7. making preliminary diagnosis or definitive diagnosis decision

9.8. making non-intervention or intervention decision

9.9. practicing non-intervention or intervention

9.10. referral/transport of healthy individual or patient

10.1.***list*** goals and principles of drug use,

10.2.***describe*** effects,

10.3.***explain*** mechanism of action (pharmacodynamics),

10.4.***list*** indications, contraindications, pharmacological features, pharmacokinetic characteristics, drug-drug inreactions and side effects,

10.5.***explain*** resistance mechanisms of drugs (principles of antimicrobial chemotherapy, antibacterial, antifungal, antiviral, antiprotozoal, antihelmintic drugs, antiseptics and disinfectants) used in infectious clinical conditions,

11.0. ***explain*** interactions of health conditions (healthy and clinical conditions) at individual, family and community levels in relation to infectious agents, and importance of infectious agents and infectious clinical conditions from the aspect of public health,

12.0.***define*** approaches (education, santitation, hygiene, disinfection/antisepsis/sterilization, screening, surveillance, vaccination, prophylaxis, isolation, design/renovation) to control risks in infectious clinical conditions which are frequent in community and/or pose high risk for individual or community health,

14.0. ***explain*** hereditary immune system disorders,

15.0.***explain*** ethical problems (violation of truthfulness, responsibilities of physician and patient, allocation of scarce resources) encountered in health care service and utilization, and principles of solutions,

16.0. ***define*** biostatistical knowledge required in design of medical research (research design, planning medical research,

17.0. ***perform*** basic clinical skills, practiced on phantom models (intravenous injection-C1), required at primary health care service level.

18.0.***explain*** ethical problems (violation of truthfulness, responsibilities of physician and patient, allocation of scarce resources) encountered in health care service and utilization, and principles of solutions,

19.0. ***define*** biostatistical knowledge required in design of medical research (research design, planning medical research,

20.0. ***perform*** basic clinical skills, practiced on phantom models (intravenous injection-C1), required at primary health care service level.

COMMITTEE I - INFECTIOUS DISEASES

COMMITTEE ASSESSMENT MATRIX

PHASE III **COURSE:** MD 320 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE I - INFECTIOUS DISEASES						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (MCQ)**			
			CE	**FE**	**IE**	**Total**
1.0, 2.0.,3.0. (4.0.-12.0.)	IDCM	M. Sönmezoğlu	22	5	5	**32**
1.0.,3.0. (4.0.-12.0.)		İ.Ç.Acuner				
10.0.	PC	E.Genç	19	5	5	**29**
10.0.		F.Kaleağasıoğlu				
4.0.,5.0.	PT	F. Özkan	10	2	2	**14**
4.0.,5.0.		I. D. Ekici				
4.0., 5.0.		A.S.Çöloğlu				
6.0.,7.0.,11.0.,12.0.	PH	R.E. Sezer	10	2	2	**14**
6.0.,7.0.,11.0.,12.0.		H.A.Taşyıkan				
15.0.	BED	E. Vatanoğlu	10	2	2	**14**
16.0.	BS	Ç. Kaspar	5	1	1	**7**
9.3. (6.0.-9.0.,11.0.,12.0.)	FM	Ö. Tanrıöver	3	1	1	**5**
9.3. (6.0.-9.0.,11.0.,12.0.)		G. İzbırak				
8.0.,9.0., 9.1.	IM	Y. Küçükardalı	3	1	1	**5**
4.0.,5.0.,8.0.	PP	M. Kaçar	3	1	1	**5**
14.0.	MG	A. Ç. Kuşkucu	3	1	1	**5**
9.2.	EM	S. Sarıkaya	1	1	1	**3**
8.0.,9.0., 9.1.	PED	M. Berber	1	0	0	**1**
TOTAL			90	22	22	**134**
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/INSTRUCTOR**	**NUMBER OF QUESTIONS (EMQ)**			
1.0, 2.0.,3.0. (4.0.-12.0.)	IDCM	M. Sönmezoğlu/ İ.Ç. Acuner	2	-	-	**2**
10.0.	PC	E.Genç/ F.Kaleağasıoğlu	2	-	-	**2**
4.0.,5.0.	PT	I. D. Ekici/F. Özkan	1	-	-	**1**
TOTAL			**5**	-	-	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 pts; pts:points**
*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.
MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
****22** out of 200 FE and ICE MCQs will be from Committee I (Each question is of worth **0.5** pts).

COMMITTEE I - INFECTIOUS DISEASES
WEEK I / 5-9 Sep 2016

	Monday 5-Sep-2016	Tuesday 6-Sep-2016	Wednesday 7-Sep-2016	Thursday 8-Sep-2016	Friday 9-Sep-2016
09.00- 09.50	**Introductory Session** Introduction to Phase III Phase III Coordination Committee Introduction to Committee I Head of Committee	**Lecture** Pathology of Mycobacterial Infections I A. S. Çöloğlu	**Lecture** Semiology-I Y. Küçükardalı	**Lecture** Scientific Projects - III: Project Writing G. Y. Demirel	**Microbiology Laboratory (Antibacterial & Susceptibility Testing)** Microbiology Lecturers
10.00- 10.50	**Lecture** Diagnosis of Infectious Diseases I Microbiology Lecturer	**Lecture** Pathology of Mycobacterial Infections II A. S. Çöloğlu	**Lecture** Semiology-II Y. Küçükardalı	**Microbiology Laboratory (Antibacterial & Susceptibility Testing)** Microbiology Lecturers	GROUP A IL / GRPUP B / GROUP C / GROUP D IL
11.00- 11.50	**Lecture** Diagnosis of Infectious Diseases II Microbiology Lecturer	Antimicrobial Agents: Basic Concepts & Principles İ.Ç.Acuner	**Lecture** Introduction to Antimicrobial Chemotherapy F. Kaleağasıoğlu	GROUP A / GROUP A IL / GROUP C IL / GROUP D IL	GROUP C IL / GROUP D
12.00- 12.50	**Lecture** Tissue Response to Infections A. S. Çöloğlu	Antimicrobial Agents: Mechanisms of Resistance İ.Ç.Acuner	**Lecture** ß Lactam Antibiotics I F. Kaleağasıoğlu	GRPUP B IL / GRPUP B	**Independent Learning**
12.50 - 14.00	LUNCH BREAK				
14.00- 14.50	**Lecture** Pathology of Bacterial Infections A. S. Çöloğlu	**Lecture** Confidentiality and Truthfulness I E. Vatanoğlu	**Lecture** Planning Medical Studies I Ç. Kaspar	**Lecture** ß Lactam Antibiotics II F. Kaleağasıoğlu	**Independent Learning**
15.00- 15.50	**Lecture** Introduction to the Course I E.Vatanoğlu	**Lecture** Confidentiality and Truthfulness II E. Vatanoğlu	**Lecture** Planning Medical Studies II Ç. Kaspar	**Lecture** Research Design I Ç. Kaspar	**Independent Learning**
16.00- 16.50	**Lecture** Introduction to the Course II E.Vatanoğlu	**Independent Learning**	**Independent Learning**	**Lecture** Research Design II Ç. Kaspar	**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE I - INFECTIOUS DISEASES
WEEK II / 12-16 Sep 2016

	Monday 12-Sep-2016	Tuesday 13-Sep-2016	Wednesday 14-Sep-2016	Thursday 15-Sep-2016	Friday 16-Sep-2016
09.00- 09.50	Independent Learning	Religious Holiday	Religious Holiday	Religious Holiday	Religious Holiday
10.00- 10.50					
11.00- 11.50					
12.00- 12.50					
12.50 – 14.00					
14.00- 14.50	Religious Holiday	Religious Holiday	Religious Holiday	Religious Holiday	Religious Holiday
15.00- 15.50					
16.00- 16.50					
17.00-17.50					

COMMITTEE I - INFECTIOUS DISEASES
WEEK III / 19-23 Sep 2016

	Monday 19-Sep-2016	Tuesday 20-Sep-2016	Wednesday 21-Sep-2016	Thursday 22-Sep-2016	Friday 23-Sep-2016
09.00- 09.50	**Independent learning**	**Lecture** Vancomycin & Other Cell Wall Synthesis Inhibitors F. Kaleağasıoğlu	**Lecture** Tuberculosis & Other Mycobacterial Infections I İ.Ç. Acuner	**Lecture** Antimycobacterial Drugs E.Genç	**Lecture** Bacterial and Viral Skin & Soft Tissue Infections M. Sönmezoğlu
10.00- 10.50	**Independent learning**	**Lecture** Macrolides F. Kaleağasıoğlu	**Lecture** Tuberculosis & Other Mycobacterial Infections II M. Sönmezoğlu	**Microbiology Laboratory** (Techniques and Diagnostic Tests) Microbiology Lecturers	**Lecture** Parasitic Infections II M. Sönmezoğlu
11.00- 11.50	**Lecture** Parasitic Infections I Microbiology Lecturer	**Lecture** Pathology of the Parasitic Infections F. Özkan	**Lecture** Zoonotic Diseases I M. Sönmezoğlu	GROUP A / GROUP B IL / GROUP C IL / GROUP D IL	**Lecture** Anthelminthic Drugs F. Kaleağasıoğlu
12.00- 12.50	**Lecture** Fungal and Parasitic Skin and Soft Tissue Infections Microbiology Lecturer	**Lecture** Pathology of Fungal Infections F. Özkan	**Lecture** Zoonotic Diseases II M. Sönmezoğlu	GROUP A IL / GROUP B / GROUP C IL / GROUP D IL	**Lecture** Antiprotozoal Drugs F. Kaleağasıoğlu
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Hospital Infection M. Sönmezoğlu	**Lecture** Aminoglycosides E.Genç	**ICP-CSL** (Intravenous Injection & iv Cannulation) S.Sarıkaya/P. Tura/M.F. Çelikmen	**Lecture** Approach to the Patient with Fever in Primary Care Ö. Tanrıöver	**Lecture** Occupational Health Hazards I Microbiology Lecturer
15.00- 15.50	**Lecture** Febril Neutropenia M. Sönmezoğlu	**Lecture** Sulfonamides, Chloramphenicol & Tetracyclines E.Genç	**Group A** / **Group B IL** / **Group C IL** / **Group D IL**	**Lecture** Quinolones F. Kaleağasıoğlu	**Lecture** Occupational Health Hazards II Microbiology Lecturer
16.00- 16.50	**Lecture** Principles of Autonomy and Informed Consent I E. Vatanoğlu	**Lecture** Introduction to Clinical Genetics A. Ç. Kuşkucu		Lecture Pathophysiology of Infectious Diseases I M. Kaçar	**Lecture** Public Health and Communicable Diseases-I R.E.Sezer
17.00-17.50	**Lecture** Principles of Autonomy and Informed Consent II E. Vatanoğlu	**Lecture** Inherited Immune System Disorders A. Ç. Kuşkucu	**Independent Learning**	Lecture Pathophysiology of Infectious Diseases II M. Kaçar	**Lecture** Public Health and Communicable Diseases-**II** R.E.Sezer

COMMITTEE I - INFECTIOUS DISEASES
WEEK IV / 26-30 Sep 2016

	Monday 26-Sep-2016	Tuesday 27-Sep-2016	Wednesday 28-Sep-2016	Thursday 29-Sep-2016	Friday 30-Sep-2016
09.00- 09.50	**Lecture** Infections in Immuncompromised Host Microbiology Lecturer	**Lecture** Prevention and Control of Communicable Diseases I R.E. Sezer	**Lecture** Antifungal Drugs F. Kaleağasıoğlu	**Lecture** Pathology of Viral Infections I I.D.Ekici	**ICP-CSL** (Intravenous Injection& iv Cannulation) S.Sarıkaya / P. Tura/ M.F. Çelikmen
10.00- 10.50	**Lecture** Vaccines Microbiology Lecturer	**Lecture** Prevention and Control of Communicable Diseases II R.E. Sezer	**Lecture** Antiseptics and Disinfectants F. Kaleağasıoğlu	**Lecture** Pathology of Viral Infections II I.D.Ekici	**Group A IL** / **Group B IL** / **Group C IL** / **Group D**
11.00- 11.50	**Lecture** Epidemiology of Communicable Diseases I H.A.Taşyıkan	**Lecture** Antiviral Drugs F. Kaleağasıoğlu	**Lecture** Investigation of a Disease Outbreak or Epidemic I H.A.Taşyıkan	**Microbiology Laboratory** (Techniques and Diagnostic Tests) Microbiology Lecturers: **Group A IL** / **Group B IL** / **Group C** / **Group D IL**	
12.00- 12.50	**Lecture** Epidemiology of Communicable Diseases II H.A.Taşyıkan	**Lecture** Approach to the Pediatric Patient with Fever S. Biçer	**Lecture** Investigation of a Disease Outbreak or Epidemic II H.A.Taşyıkan	**Group C IL** / **Group D**	**Independent Learning**
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**ICP-CSL** (Intravenous Injection & iv Cannulation) S.Sarıkaya/P. Tura/M.F. Çelikmen	**Lecture** Antimalarial Drugs F. Kaleağasıoğlu	**Lecture** Physician-Patient Relationship I E.Vatanoğlu	**ICP-CSL** (Intravenous Injection& iv Cannulation) S.Sarıkaya/ P. Tura/ M.F.Çelikmen	**Microbiology Laboratory Make-up (Antibacterial & Susceptibility Testing)** Microbiology Lecturers
15.00- 15.50	**Group A IL** / **Group B** / **Group C IL** / **Group D IL**	**Lecture** Introduction to the Program of Family Medicine G. İzbırak	**Lecture** Physician-Patient Relationship II E.Vatanoğlu	**Group A IL** / **Group B IL** / **Group C** / **Group D IL**	**Independent Learning**
16.00- 16.50		**Lecture** Emergency Evaluation of Sepsis and Septic Shock M. F. Çelikmen	**Multidisciplinary Case Discussion Panel**		**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Multidisciplinary Case Discussion Panel**	**Independent Learning**	**Independent Learning**

COMMITTEE I - INFECTIOUS DISEASES

WEEK V / 3-7 Oct 2016

<table>
<tr><th></th><th>Monday
3-Oct-2016</th><th>Tuesday
4-Oct-2016</th><th>Wednesday
5-Oct-2016</th><th>Thursday
6-Oct-2016</th><th>Friday
7-Oct-2016</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">COMMITTEE EXAM</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td></tr>
<tr><td>12.50 – 14.00</td><td colspan="5">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td>Program Evaluation Session
Committee I Coordination Committee Members</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td></tr>
<tr><td>17.00-17.50</td></tr>
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COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS

DISTRIBUTION of LECTURE HOURS
October 10, 2016 – November 25, 2016
COMMITTEE DURATION: 7 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	PHARMACOLOGY	PC	25				**25**
	PATHOLOGY	PT	24	1x3=3 (2 Groups)			**27**
	CHEST MEDICINE	CHM	17				**17**
	CARDIOLOGY	CRD	14				**14**
	PUBLIC HEALTH	PH	9				**9**
	BIOMEDICAL ETHICS & DEONTOLOGY	BED	9				**9**
	PATHOPHYSIOLOGY	PP	6				**6**
	INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	IDCM	5				**5**
	ENT DISEASES	ENT	4				**4**
	THORACIC SURGERY	TS	3				**3**
	FAMILY MEDICINE	FM	4				**4**
	MEDICAL GENETICS	MG	2				**2**
	BIOISTATISTICS	BS	4				**4**
	PEDIATRICS	PED	3				**3**
	RADIOLOGY	RAD	1				**1**
	EMERGENCY MEDICINE	EM	1				**1**
	SCIENTIFIC PROJECTS-III	SP	1				**1**
	INTERDISCIPLINARY	MCDP				2	**2**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			2x3=6 (4 Groups)		**6**
TOTAL			**132**	**3**	**6**	**2**	**143**

Coordination Committee

HEAD	Sevda Özdoğan, MD, Prof.
SECRETARY	Olcay Özveren, MD, Asst. Prof.
MEMBER	Hülya Sarıçoban, MD, Assoc. Prof.
MEMBER	Işın D. Ekici, MD, Prof.

COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
PHARMACOLOGY	Ece Genç, PhD, Prof. Ferda Kaleağasıoğlu, MD, Prof.
PATHOLOGY	Ferda Özkan, MD, Prof. Işın Doğan Ekici, MD Prof. Ahmet Sedat Çöloğlu, DMD, Prof.
CHEST MEDICINE	Emine Sevda Özdoğan, MD, Prof.
CARDIOLOGY	Muzaffer Değertekin, MD, Prof. Olcay Özveren, MD, Asst. Prof. AyçaTürer Cabbar, MD Mustafa Aytek Şimşek, MD
PUBLIC HEALTH	Recep Erol Sezer, MD, Prof. Hale Arık Taşyıkan, MD, Asst. Prof.
BIOMEDICAL ETHICS & DEONTOLOGY	Elif Vatanoğlu, MD, Assoc. Prof
PATHOPHYSIOLOGY	Mehtap Kaçar, MD, Assoc. Prof.
INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	Meral Sönmezoğlu, MD, Prof. İbrahim Çağatay Acuner, MD, Assoc. Prof.
EAR- NOSE -THROAT (ENT)	Yavuz Selim Pata, MD, Prof. Müzeyyen Doğan, MD, Assoc. Prof.
THORACIC SURGERY	Sina Ercan, MD, Prof.
FAMILY MEDICINE	Güldal İzbırak, MD, Assoc.Prof. Özlem Tanrıöver, MD, Assoc.Prof.
PEDIATRICS	Hülya Sarıçoban, MD, Assoc. Prof. Mustafa Berber, MD, Asst. Prof. Fatma Tuba Coşkun, MD
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Asst. Prof.
RADIOLOGY	Neslihan Taşdelen, MD, Assoc.Prof.
EMERGENCY MEDICINE	Mustafa Ferudun Çelikmen, MD, Asst.Prof.
BIOSTATISTICS	Çiğdem Kaspar, PhD, Asst. Prof
SCIENTIFIC PROJECTS- III	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Güldal İzbırak, MD, Assoc. Prof. Ferdi Menda MD, Assoc.Prof. Olcay Özveren, MD, Asst. Prof. Serdar Özdemir, MD, Asst. Prof. Sevgi Bilgen, MD, Asst. Prof Ayça Türer Cabbar, MD Mustafa Aytek Şimşek, MD

COMMITTEE II - CARDIOVASCULAR and RESPIRATORY SYSTEMS
AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of cardiovascular and respiratory systems,
2. ***to convey*** knowledge on etiopathogenesis of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to cardiovascular and respiratory systems,
3. ***to convey*** knowledge on epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to cardiovascular and respiratory systems,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to cardiovascular and respiratory systems,
5. ***to convey*** knowledge on mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to cardiovascular and respiratory systems,
6. ***to convey*** necessary knowledge together **with performance measures** on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to cardiovascular and respiratory systems, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, **at the level of primary health care service,**
7. ***to convey*** knowledge on principles of prescription,
8. ***to convey*** necessary knowledge on pharmacology of drugs effective on cardiovascular system,
9. ***to convey*** necessary knowledge on radiation physics and biology and its use in oncology,
10. ***to convey*** necessary knowledge on ethical problems encountered in health care service and utilization, and on principles of solutions,
11. ***to convey*** knowledge on principles of biostatistical analysis,
12. **to equip with basic and advanced clinical skills** (advanced cardiac life support-C2, approach to patient with cardiovascular clinical condition-C2) required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.***recall*** anatomy, histology and physiology of cardiovascular and respiratory systems,

2.***explain*** etiopathogenesis of clinical conditions (*upper respiratory tract problems -nasal obstruction, etc.-, infectious clinical conditions with upper and lower respiratory tract and lung involvement -pneumonia, tuberculosis, etc.-, circulatory lung disorders -pulmonary embolism, etc.-, obstructive/restrictive lung diseases, respiratory insuffiency, tobacco use, lung tumors,other lung diseases; diseases of coronary circulation and coronary arteries, diseases of cardiac valves, myocardial and pericardial diseases, blood stream infections and sepsis, cardiac problems in adults and children, mediastinal diseases, nasopharyngeal and oropharyngeal diseases, nasal and paranasal sinus diseases, diseases of middle ear and eustachian tube, laryngeal diseases, voice disorders*) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to cardiovascular and respiratory systems,

3.***explain*** epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to cardiovascular and respiratory systems,

4.***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to cardiovascular and respiratory systems,

5.***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to cardiovascular and respiratory systems,

6.at multi-system level and/or related to cardiovascular and respiratory systems,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes, health care processes, clinical decision making process, clinical decisions and clinical practices

- which are required for management at primary health care service level:

6.1. practice of history taking and physical examination (cardiovascular-C2, pulmonary-C2)

6.2. evaluation of emergency case (dyspnea-C2)

6.3. approach to healthy individual or patient (cardiovascular disease-C2, chest pain-C2, cough and hemoptysis-C2, dyspnea-C2)

6.4. laboratory tests/examinations (cardiac markers-, coagulation tests-, blood gases-, pulmonary function tests-C2)

6.5. imaging tests/examinations (radionuclide ventriculography-C2, myocardial scintigraphy-C2, cardiac PET-C2, ventilation/perfusion scintigraphyi-C2, PET in lung cancer-C2)

6.6. point of care testing (urine strip/dipstick test-C1)

6.7. making preliminary diagnosis or definitive diagnosis decision

6.8. making non-intervention or intervention decision

6.9. practicing non-intervention or intervention

6.10. referral/transport of healthy individual or patient

7.***define*** radiation physics, biology and its use in oncology,

8.***explain*** implementation of hypertension treatment guidelines,

9.***explain*** pharmacology of drugs effective on cardiovascular system (autonomic system pharmacology, renin-angiotensin system pharmacology, calcium channel blockers, pharmacological approach to ischemic and congestive cardiovascular conditions, drugs effecting body fluids and volume, anti-hypertension drugs, hypolipidemic drugs, antiarrhythmic drugs, antiplatelet, antithrombotic and thrombolytic drugs, drugs used in the treatment of asthma and chronic obstructive pulmonary disease, antitussive, expectorant and surfactant drugs),

10.***explain*** ethical problems (rejection of treatment, organ transplantation, paternalism, reproductive and negative rights),

11.***explain*** principles of biostatistical analysis,

12.***perform*** basic clinical skills, practiced on phantom models (advanced cardiac life support-C2), and advanced clinical skills, practiced on simulated/standardized patients (approach to patient with cardiovascular clinical condition-C2), required at primary health care service.96

COMMITTEE II - CARDIOVASCULAR and RESPIRATORY SYSTEMS
COMMITTEE ASSESSMENT MATRIX

PHASE III **COURSE:** MD 320 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE II - CARDIOVASCULAR & RESPIRATORY SYSTEMS						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (MCQ)**			
			CE	**FE**	**IE**	**Total**
8.0.,9.0.	PC	E. Genç	17	8	8	33
9.0.		F. Kaleağasıoğlu				
1.0.,2.0.	PT	F. Özkan	16	7	7	30
1.0.,2.0.		I D. Ekici				
1.0.,2.0.,5.0.,6.0.,6.1.,6.4.,6.5.,6.6.	CHM	S. Özdoğan	12	5	5	22
1.0.,2.0.,5.0.,6.0.6.4.	CRD	M.Değertekin	10	4	4	18
1.0.,2.0., 5.0., 6.0.6.1.,6.3.		Z.Küçükdurmaz				
1.0.,2.0.,5.0.,6.0.6.4.		O. Özveren				
3.0.,4.0.	PH	R.E. Sezer	6	3	3	12
3.0.,4.0.		H.A.Taşyıkan				
10.0.	BED	E. Vatanoğlu	6	3	3	12
2.0.,5.0.	PP	M. Kaçar	4	2	2	8
2.0.,5.0.,6.0.	IDCM	M. Sönmezoğlu	3	2	2	7
2.0.,5.0.,6.4.		İ. Ç. Acuner				
1.0.,2.0.,5.0.,6.0.	ENT	M. Doğan	3	1	1	5
1.0.,2.0.,5.0.,6.0.	FM	G.İzbırak	3	1	1	5
1.0.,2.0.,5.0.,6.0.		Ö. Tanrıöver				
1.0.,2.0.,5.0.,6.0.	BS	Ç. Kaspar	3	1	1	5
2.0.,5.0.	PED	S. Sarıçoban	2	1	1	4
6.3.		M. Berber				
6.3.	TS	S. Ercan	2	1	1	4
6.2.	MG	A.Ç. Kuşkucu	1	1	1	3
6.5.	RAD	N. Taşdelen	1	1	1	3
11.0.	EM	F. Çelikmen	1	0	0	1
TOTAL			**90**	**41**	**41**	**172**
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/INSTRUCTOR**	**NUMBER OF QUESTIONS (EMQ)**			
			CE	**FE**	**IE**	**Total**
1.0.,2.0.,5.0.,6.0.,6.1.,6.4.,6.5.,6.6.	CHM	S. Özdogan	1	-	-	1
1.0.,2.0.,5.0.,6.0.,6.3.,6.4.	PT	ID. Ekici	2	-	-	2
8.0.,9.0.	PC	F. Kaleağasıoğlu	2	-	-	2
TOTAL			**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 pts; pts:points**
*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.
MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
****41** out of 200 FE and ICE MCQs will be from Committee II (Each question is of worth **0.5** pts).

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK I / 10-14 Oct 2016

	Monday 10-Oct-2016	Tuesday 11-Oct-2016	Wednesday 12-Oct-2016	Thursday 13-Oct-2016	Friday 14-Oct-2016
09.00- 09.50	**Introductory Session** Introduction to Commitee II Head of Commitee	**Lecture** Congestive Heart Failure A. S. Çöloğlu	**Lecture** Examination of the Heart M. Değertekin M. A. Şimşek	**ICP-CSL** (Advanced Cardiac Life Support) F.Menda/S.Bilgen	**Lecture** Electrocardiography I M. Değertekin M. A. Şimşek
10.00- 10.50	**Lecture** Pathophysiology of Cardiovascular System Disorders I M. Kaçar	**Lecture** **Lecture** Congestive Heart Failure & Pericardium A. S. Çöloğlu	Coronary Artery Disease I M. Değertekin M. A. Şimşek	**Group A** / **Group B IL** / **Group C IL** / **Group D IL**	**Lecture** Electrocardiography II M. Değertekin M. A. Şimşek
11.00- 11.50	**Lecture** Pathophysiology of Cardiovascular System Disorders II M. Kaçar	**Lecture** Myocardium A. S. Çöloğlu	**Lecture** Coronary Artery Disease II M. Değertekin M. A. Şimşek		**Lecture** Parasympatholitic Drugs E. Genç
12.00- 12.50	**Lecture** Pathophysiology of Cardiovascular System Disorders III M. Kaçar	**Lecture** Introduction to Autonomic System Pharmacology E. Genç	**Lecture** Acetylcholine and Directly Acting Parasympathomimetic Drugs E. Genç	**Lecture** Hypertension Treatment Guidelines F. Kaleağasıoğlu	**Lecture** Sympathomimetic Drugs: Catecholamines & Noncatecholamines E. Genç
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Principles of Beneficence and Nonmaleficence I E.Vatanoğlu	**Lecture** Pharmacology of ReninAngiotensin System F. Kaleağasıoğlu	**Lecture** Acetylcholinesterase Inhibitors E. Genç	**Lecture** Approach to the Patient with Cardiovascular System Diseases M. Değertekin M. A. Şimşek	**Lecture** General Signs and Principal Symptoms in Cardiovascular System Diseases O.Özveren A.Türer Cabbar
15.00- 15.50	**Lecture** Principles of Beneficence and Nonmaleficence II E.Vatanoğlu	**Lecture** Ischemic Heart Disease I F. Özkan	**Lecture** Preparing to Analyse Data I Ç.Kaspar	**Lecture** Cardiac Arrhythmias I M. Değertekin M. A. Şimşek	**Lecture** Congestive Heart Failure I O.Özveren A.Türer Cabbar
16.00- 16.50	**Lecture** End of Life Decisions I E.Vatanoğlu	**Lecture** Ischemic Heart Disease II F. Özkan	**Lecture** Preparing to Analyse Data II Ç.Kaspar	**Lecture** Cardiac Arrhythmias II M. Değertekin M. A. Şimşek	**Lecture** Congestive Heart Failure II O.Özveren A.Türer Cabbar
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK II / 17-21 Oct 2016

	Monday 17-Oct-2016	Tuesday 18-Oct-2016	Wednesday 19-Oct-2016	Thursday 20-Oct-2016	Friday 21-Oct-2016
09.00- 09.50	**Lecture** Pathology of Endocardium & Heart Valves I I.D.Ekici	**Lecture** Atherosclerosis & Hypertension I A. S. Çöloğlu	**Lecture** Infective Endocarditis and Acute Rheumatic Fever O. Özveren A.Türer Cabbar	**ICP-CSL** (Advanced Cardiac Life Support) F.Menda/S.Bilgen	**Lecture** Respiratory Muscles and Surgical Anatomy of Thorax S. Ercan
10.00- 10.50	**Lecture** Pathology of Endocardium & Heart Valves II I.D.Ekici	**Lecture** Atherosclerosis & Hypertension II A. S. Çöloğlu	**Lecture** Aortic Valvular Heart Diseases O. Özveren A.Türer Cabbar	**Group A IL** / **Group B** / **Group C IL** / **Group D IL**	**Lecture** Surgical Disorders of Mediastinum and the Diaphragm S. Ercan
11.00- 11.50	**Lecture** Adrenergic Receptor Blockers E. Genç	**Lecture** Bloodstream Invasion & Sepsis I Microbiology Lecturer	**Lecture** Mitral Valvular Heart Diseases O. Özveren A.Türer Cabbar		**Lecture** Surgical Treatment of Pulmonary Diseases S. Ercan
12.00- 12.50	**Lecture** Adrenergic Neuron Blockers E. Genç	**Lecture** Upper and Lower Respiratory System Infections I Microbiology Lecturer	**Lecture** Pharmacology Case Studies F. Kaleağasıoğlu	**Lecture** Drugs Used in the Treatment of Angina Pectoris F. Kaleağasıoğlu	**Lecture** Epidemiology and Prevention of Cardiovascular Diseases I H.A.Taşyıkan
12.50 - 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Diuretic Agents I F. Kaleağasıoğlu	**Lecture** Diuretic Agents II F. Kaleağasıoğlu	**Lecture** Rheumatic Heart Disease I. D. Ekici	**Lecture** Drugs Used in Cardiac Arrythmias I F. Kaleağasıoğlu	**Lecture** Epidemiology and Prevention of Cardiovascular Diseases II H.A.Taşyıkan
15.00- 15.50	**Lecture** End of Life Decisions II E.Vatanoğlu	**Lecture** Anti-hypertensive Drugs I F. Kaleağasıoğlu	**Lecture** CVS Tumors I .D. Ekici	**Lecture** Drugs Used in Cardiac Arrythmias II F. Kaleağasıoğlu	**Lecture** Epidemiology and Prevention of Cardiovascular Diseases III H.A.Taşyıkan
16.00- 16.50	**Lecture** End of Life Decisions III E.Vatanoğlu	**Lecture** Anti-hypertensive Drugs II F. Kaleağasıoğlu	**Lecture** Approach to Patient with Chest Pain in Primary Care I G. İzbırak	**Independent Learning**	**Lecture** Public Health and Chronic Non-Communicable Diseases H.A. Taşyıkan
17.00-17.50	**Independent Learning**	**Independent Learning**	**Lecture** Approach to Patient with Chest Pain in Primary Care II G. İzbırak	**Independent Learning**	**Independent Learning**

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK III / 24-28 Oct 2016

	Monday 24-Oct-2016	Tuesday 25-Oct-2016	Wednesday 26-Oct-2016	Thursday 27-Oct-2016	Friday 28-Oct-2016
09.00- 09.50	**Lecture** Congenital Heart Disease I I.D. Ekici	**Lecture** Drugs Used in the Treatment of Dyslipidemias I F. Kaleağasıoğlu	**Independent Learning**	**ICP-CSL** (Advanced Cardiac Life Support) F.Menda/S.Bilgen	**Independent Learning**
10.00- 10.50	**Lecture** Congenital Heart Disease II I.D. Ekici	**Lecture** Drugs Used in the Treatment of Dyslipidemias II F. Kaleağasıoğlu	**Lecture** Pathology of Upper Respiratory Tract F. Özkan	**Group A IL** / **Group B IL** / **Group C** / **Group D IL**	**Independent Learning**
11.00- 11.50	**Lecture** Drugs Used in Congestive Heart Disease I F. Kaleağasıoğlu	**Lecture** Congenital Heart Disease in Pediatrics M. Berber / F.T.Coşkun	**Lecture** Asthma Bronchiale F. Özkan		**Independent Learning**
12.00- 12.50	**Lecture** Drugs Used in Congestive Heart Disease II F. Kaleağasıoğlu	**Lecture** Inherited Cardiovascular Disorders A.Ç. Kuşkucu	**Lecture** Congenital Lung Anomalies & Atalectasis F. Özkan	**Independent Learning**	**Independent Learning**
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Anticoagulant, Antiplatelet & Thrombolytic drugs F. Kaleağasıoğlu	**Lecture** Pathophysiology of Respiratory System Disorders I M. Kaçar	**Lecture** History and Symptoms in Pulmonary Diseases S. Özdoğan	**Lecture** Pulmonary Infections I A. S. Çöloğlu	**Republic Day**
15.00- 15.50	**Lecture** Ethics of Distribution I E.Vatanoğlu	**Lecture** Pathophysiology of Respiratory System Disorders II M. Kaçar	**Lecture** Physical Examination and Signs in Pulmonary Diseases S. Özdoğan	**Lecture** Pulmonary Infections II A. S. Çöloğlu	
16.00- 16.50	**Lecture** Ethics of Distribution II E.Vatanoğlu	**Lecture** Pathophysiology of Respiratory System Disorders III M. Kaçar	**Lecture** Respiratory Failure S. Özdoğan	**Lecture** Chronic Obstructive Pulmonary Diseases A. S. Çöloğlu	
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK IV/ 31 Oct-4 Nov 2016

	Monday 31-Oct-2016	Tuesday 1-Nov-2016	Wednesday 2-Nov-2016	Thursday 3-Nov-2016	Friday 4-Nov-2016
09.00- 09.50	**Lecture** Diagnostic Methods in Pulmonary Medicine S. Özdoğan	**Lecture** Pneumonia S. Özdoğan	**Lecture** Sleep Apnea Syndrome S. Özdoğan	**ICP-CSL** (Advanced Cardiac Life Support) F.Menda/S.Bilgen	**Independent Learning**
10.00- 10.50	**Lecture** Clinical Application of Pulmonary Function Tests S. Özdoğan	**Lecture** Interstitial Lung Diseases S. Özdoğan	**Lecture** Lung Cancer S. Özdoğan	**Group A IL** / **Group B IL** / **Group C IL** / **Group D**	
11.00- 11.50	**Lecture** Pulmonary Tuberculosis S. Özdoğan	**Lecture** Pleural Diseases S. Özdoğan	**Lecture** Tracheobronchitis S. Özdoğan		
12.00- 12.50	**Lecture** X-Ray Examination of the Lungs N. Taşdelen	**Lecture** Treatment of Cough & Drugs Used in the Treatment of Common Cold F. Kaleağasıoğlu	**Lecture** Emergency Evaluation of Dyspnea M.F. Çelikmen	**Independent Learning**	
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Inherited Respiratory System Disorders A.Ç.Kuşkucu	**Lecture** Palliative Care Ethics I E. Vatanoğlu	**Lecture** Laryngeal and Voice Diseases M. Doğan	**Independent Learning**	**Independent Learning**
15.00- 15.50	**Lecture** Diseases of the Nose and Paranasal Sinuses Y. S. Pata	**Lecture** Palliative Care Ethics Iı E. Vatanoğlu	**Lecture** Diseases of the Middle Ear and Eustachian Tube M. Doğan		
16.00- 16.50	**Lecture** Nasopharyngeal and Oropharyngeal Diseases Y. S. Pata	**Independent Learning**	**Lecture** Principals of Statistical Analysis Ç. Kaspar		
17.00-17.50	**Independent Learning**	**Independent Learning**	**Lecture** Principals of Statistical Analysis Ç. Kaspar		

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK V / 7-11 Nov 2016

	Monday 7-Nov-2016	Tuesday 8-Nov-2016	Wednesday 9-Nov-2016	Thursday 10-Nov-2016	Friday 11-Nov-2016
09.00- 09.50	**Lecture** Pulmonary Hypertension S. Özdoğan	**Lecture** Tobacco Control and Chronic Non-Communicable Diseases I R.E. Sezer	**Lecture** Scientific Projects- III: Project Writing G. Y. Demirel	**Commomeration of Ataturk (Rectorate Building, Inan Kıraç Conference Hall)**	**Independent Learning**
10.00- 10.50	**Lecture** Special Pulmonary Problems S. Özdoğan	**Lecture** Tobacco Control and Chronic Non-Communicable Diseases II R.E. Sezer	**Lecture** Tumors of the Respiratory System I I.D. Ekici		
11.00- 11.50	**Lecture** Approach to the Pediatric Patient with Pneumonia H. Sarıçoban	**Lecture** Tobacco Control and Chronic Non-Communicable Diseases III R.E. Sezer	**Lecture** Tumors of the Respiratory System II I.D. Ekici		
12.00- 12.50	**Lecture** Chest Medicine Case Reports H. Sarıçoban	**Independent Learning**	**Lecture** Pathology of Pleural and Mediastinal Diseases I.D. Ekici	**Lecture** Drugs Used in the Treatment of Asthma & Chronic Obstructive Lung Disease F. Kaleağasıoğlu	
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**ICP-CSL** (History taking & examination of cardiovascular system) O. Özveren / A.Türer Cabbar/ S. Özdemir/ G. İzbırak	**ICP-CSL** (History taking & examination of cardiovascular system) O. Özveren / M. A. Şimşek / S. Özdemir/ G. İzbırak	**Pathology Laboratory** (Cardiovascular and Respiratory Systems) F. Özkan/ I.D. Ekici **Group A** / **Group B IL**	**Lecture** Pulmonary Embolism S. Ozdoğan	**Independent Learning**
15.00- 15.50	**Group A** / **Group B IL** / **Group C IL** / **Group D IL**	**Group A IL** / **Group B** / **Group C IL** / **Group D IL**	**Group A IL** / **Group B**	**Lecture** Bronchial Hyperreactivity and Asthma S. Özdoğan	
16.00- 16.50				**Lecture** Chronic Obstructive Pulmonary Disease S. Özdoğan	
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK VI / 14-18 Nov 2016

	Monday 14-Nov-2016	Tuesday 15-Nov-2016	Wednesday 16-Nov-2016	Thursday 17-Nov-2016	Friday 18-Nov-2016
09.00- 09.50	**Lecture** Approach to the Patient with Cough and Heameoptysis in Primary Care Ö. Tanrıöver	**Independent Learning**	**ICP-CSL** (History taking & examination of cardiovascular system) O. Özveren / A.Türer Cabbar / S. Özdemir/G. İzbırak	**ICP-CSL** (History taking & examination of cardiovascular system) O. Özveren / M. A. Şimşek / / S. Özdemir/G. İzbırak	**Independent Learning**
10.00- 10.50	**Lecture** Approach to the Patient with Dyspnea in Primary Care Ö. Tanrıöver	**Lecture** Chronic Restrictive Pulmonary Diseases I A. S. Çöloğlu	**Group A IL** / **Group B IL** / **Group C** / **Group D IL**	**Group A IL** / **Group B IL** / **Group C IL** / **Group D**	
11.00- 11.50	**Lecture** Tobacco Control and Chronic Non-Communicable Diseases IV R.E. Sezer	Chronic Restrictive Pulmonary Diseases II A. S. Çöloğlu			
12.00- 12.50	**Lecture** Epidemiology, Prevention and Control of Chronic Non-Communicable Respiratory Diseases R.E. Sezer	**Lecture** Pharmacology and Toxicology of Tobacco F. Kaleağasıoğlu	**Independent Learning**	**Independent Learning**	
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Upper and Lower Respiratory System Infections II M. Sönmezoğlu	**Multidisciplinary Case Discussion Panel**	**Independent Learning**	**Independent Learning**	**Independent Learning**
15.00- 15.50	**Lecture** Bloodstream Invasion & Sepsis II M. Sönmezoğlu	**Multidisciplinary Case Discussion Panel**			
16.00- 16.50	**Lecture** Cardiac Infections M. Sönmezoğlu	**Independent Learning**			
17.00-17.50	**Independent Learning**	**Independent Learning**			

COMMITTEE II - CARDIOVASCULAR AND RESPIRATORY SYSTEMS
WEEK VII /21-25 Nov 2016

	Monday 21-Nov-2016	Tuesday 22-Nov-2016	Wednesday 23-Nov-2016	Thursday 24-Nov-2016	Friday 25-Nov-2016
09.00- 09.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning
10.00- 10.50					COMMITTEE EXAM
11.00- 11.50					
12.00- 12.50					
14.00- 14.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Program Evaluation Session Committee II Coordination Committee Members
15.00- 15.50					Independent Learning
16.00- 16.50					
17.00-17.50					

COMMITTEE III - HEMATOPOIETIC SYSTEM

DISTRIBUTION of LECTURE HOURS

November 28, 2016 – December 16, 2016

COMMITTEE DURATION: 3 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	HEMATOLOGY	HEM	17				**17**
	PATHOLOGY	PT	10				**10**
	PHARMACOLOGY	PC	9				**9**
	PEDIATRICS	PED	7				**7**
	INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	IDCM	4				**4**
	MEDICAL GENETICS	MG	3				**3**
	PHYTOTHERAPY	PHY	3				**3**
	ONCOLOGY	ONC	3				**3**
	RADIATION ONCOLOGY	RONC	2				**2**
	PATHOPHYSIOLOGY	PP	2				**2**
	BIOISTATISTICS	BS	4				**4**
	BIOMEDICAL ETHICS&DEONTOLOGY	BED	2				**2**
	FAMILY MEDICINE	FM	1				**1**
	SCIENTIFIC PROJECTS- III	SP	1				**1**
	INTERDISCIPLINARY	MCDP				2	**2**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			1X3=3 (4 Groups)		**3**
TOTAL			**68**		**3**	**2**	**73**

Coordination Committee

HEAD	Işın D. Ekici, MD, Prof
SECRETARY	Orhan Önder Eren, MD, Asst. Prof
MEMBER	Atilla Özkan , MD, Assoc. Prof
MEMBER	Ferda Kaleağasıoğlu, MD, Prof

COMMITTEE III - HEMATOPOIETIC SYSTEM

LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
HEMATOLOGY	Atilla Özkan, MD, Assoc.Prof.
PATHOLOGY	Ferda Özkan, MD, Prof. A.Işın Doğan Ekici, MD, Prof.
PHARMACOLOGY	Ece Genç, PhD, Prof. Ferda Kaleağasıoğlu, MD, Prof.
PEDIATRICS	Sabri Kemahlı, MD, Prof Hülya Sarıçoban, MD, Assoc. Prof. Sema Yılmaz, MD, Assoc. Prof.
INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	Meral Sönmezoğlu, MD, Prof. İbrahim Çağatay Acuner, MD, Assoc. Prof.
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Asst. Prof.
PHYTOTHERAPY	Erdem Yeşilada, PhD, Prof.
ONCOLOGY	Orhan Önder Eren, MD, Asst. Prof.
PATHOPHYSIOLOGY	Mehtap Kaçar, MD, Assoc. Prof.
RADIATION ONCOLOGY	Halim Aydın, MD, Assoc. Prof.
BIOSTATISTICS	Çiğdem Kaspar, PhD, Asst. Prof.
BIOMEDICAL ETHICS & DEONTOLOGY	Elif Vatanoğlu, MD, Assoc. Prof.
FAMILY MEDICINE	Hülya Akan, MD, Assoc. Prof.
SCIENTIFIC PROJECTS - III	Gülderen Yanıkkaya Demirel, MD., Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Müzeyyen Doğan, MD, Assoc. Prof. Vildan Öztürk, MD, Asst. Prof Feridun Çelikmen, MD, Asst. Prof. Uğur Anıl Bingöl, MD, Prof

COMMITTEE III - HEMATOPOIETIC SYSTEM

AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of hematopoietic system,
2. ***to convey*** knowledge on etiopathogenesis of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to cardiovascular and respiratory systems,
3. ***to convey*** knowledge on epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to hematopoietic system,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to hematopoietic system,
5. ***to convey*** knowledge on mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to hematopoietic system,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to hematopoietic system, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
7. ***to convey*** knowledge on pharmacology of drugs that are effective on hematopoietic system or on clinical conditions involving hematopoietic system,
8. ***to convey*** knowledge on phytotherapeutic agents that have immune-modulatory effects,
9. ***to convey*** basic knowledge on phytotherapy
10. ***to convey*** knowledge on comparative biostatistical analysis of study groups,
11. ***to equip with*** basic and advanced clinical skills (arterial blood sample collection-C3) required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1. ***recall*** anatomy, histology and physiology of hematopoietic system,
2. ***explain*** etiopathogenesis of clinical conditions (hematological syndromes, disorders and diseases, lenforeticular infections) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to hematopoietic system,
3. ***explain*** epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to hematopoietic system,
4. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to hematopoietic system,
5. ***describe*** mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to hematopoietic system,
6. at multi-system level and/or related to hematopoietic system,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

6.1. practice of history taking and physical examination
6.2. evaluation of emergency case
6.3. approach to healthy individual or patient (anemia-C3, lymphadenopathy-C3)
6.4. laboratory tests/examinations (peripheral/venous blood collection for hematology tests-C3, hematology tests for anemia-C3)
6.5. imaging tests/examinations (nuclear medicine tests in hematology-C3)
6.6. point of care testing (hematology-peripheral blood smear examination-C3, hematology-complete blood count-)
6.7. making preliminary diagnosis or definitive diagnosis decision
6.8. making non-intervention or intervention decision
6.9. practicing non-intervention or intervention
6.10. referral/transport of healthy individual or patient

7. ***classify*** blood products and blood groups,
8. ***define*** principles of transfusion,
9. ***explain*** pharmacology of drugs (antianemic drugs, antineoplastic drugs, hematostatic drugs and blood products, immunomodulators) that are effective on hematopoietic system or on clinical conditions involving hematopoietic system,
10. ***explain*** mechanisms of bone marrow toxicity of drugs and other chemicals,
11. ***list*** principles of cancer chemotherapy,
12. ***explain*** chemotherapy in leukemia and lymphoma,
13. ***list*** phytotherapeutic agents with immunomodulatory effects,
14. ***list*** principles of comparative biostatistical analysis of study groups,
15. **perform** basic clinical skills, practiced on phantom models (arterial blood sample collection-C3), required at primary health care service.
16. ***explain*** basic knowledge on phytotherapy (basic concepts and terms, uses in modern medicine, regulations, standardization and quality control),

COMMITTEE III - HEMATOPOIETIC SYSTEM
COMMITTEE ASSESSMENT MATRIX

PHASE III **COURSE:** MD 320 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE III - HEMATOPOIETIC SYSTEM						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER / INSTRUCTOR**	**NUMBER OF QUESTIONS (MCQ)**			
			CE	**FE**	**IE**	**Total**
1.0.-6.0.	HEM	A.Özkan	23	5	5	**33**
2.0.,5.0.,6.4.	PT	I D. Ekici	13	3	3	**19**
9.0.-12.0.	PC	E. Genç	13	3	3	**19**
9.0.-12.0.		F. Kaleağasıoğlu				
1.0.-6.0.	PED	S. Kemahlı	9	2	2	**13**
1.0.-6.0.		H. Sarıçoban				
1.0.-6.0.		S. Yılmaz				
2.0.-6.0.	IDCM	M. Sönmezoğlu	5	1	1	**7**
2.0.-6.4.		İ.Ç.Acuner				
2.0.	BS	Ç. Kaspar	5	1	1	**7**
	MG	A. Ç. Kuşkucu	4	1	1	**6**
1.0.-6.0.	PHR	E. Yeşilada	4	1	1	**6**
2.0.,5.0.	IM-ONC	O. Ö.Eren	4	1	1	**6**
10.0	ROC	Halim Aydın	3	1	1	**5**
14.0.	PP	M. Kaçar	3	1	1	**5**
	BED	E. Vatanoğlu	3	1	1	**5**
6.3.	FM	H. Akan	1	1	1	**3**
TOTAL			**90**	**22**	**22**	**134**
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER / INSTRUCTOR**	**NUMBER OF QUESTIONS (EMQ)**			
			CE	**FE**	**IE**	**Total**
1.0.-6.0.	HEM	A.Özkan	2	-	-	**2**
1.0.-6.0.	PC	E. Genç/F. Kaleağasıoğlu	1	-	-	1
2.0.,5.0.,6.4.	PT	I.D. Ekici	2	-	-	2
TOTAL			**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 pts; pts: points**
*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.
MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
pts: Points
****22** out of 200 FE and ICE MCQs will be from Committee III (Each question is of worth **0.5** pts).

COMMITTEE III - HEMATOPOIETIC SYSTEM
WEEK I / 28 Nov-2 Dec 2016

	Monday 28-Nov-2016	Tuesday 29-Nov-2016	Wednesday 30-Nov-2016	Thursday 1-Dec-2016	Friday 2-Dec-2016
09.00- 09.50	**Introductory Session** Introduction to Committee III Head of Committee	**Lecture** Introduction to Hematology, Signs and Symptoms in Hematological Diseases A.Özkan	**Lecture** Thalassemias and Hemoglobinopathies (Sickle Cell Anemia and Others) A.Özkan	**Independent Learning**	**Lecture** Approach to the Patient with Anemia and Laboratory Tests in Diagnosis with Anemia A.Özkan
10.00- 10.50	**Lecture** Pathology of Bone Marrow-1 I D. Ekici	**Lecture** Classification of Anemias A.Özkan	**Lecture** Aplastic and Hypoplastic Anemias A.Özkan	**ICP-CSL** (Suturing technique) M. Doğan	**Lecture** Hematopoiesis: Stem Cell and Bone Marrow A.Özkan
11.00- 11.50	**Lecture** Pathology of Bone Marrow-2 I D. Ekici	**Lecture** Immune Acquired Hemolytic Anemias / Non Immune Acquired Hemolytic Anemias A . Özkan	**Lecture** Iron Metabolism and Iron Deficiency Anemia A.Özkan	**Group A** / **Group B IL** / **Group C IL** / **Group D IL**	**Lecture** Non/Hodgkin's Lymphoma I I D. Ekici
12.00- 12.50	**Lecture** Pathophysiology of Hematopoietic System Disorders I M. Kaçar	**Lecture** Antianemic Drugs E. Genç	**Lecture** Vitamin B_{12} and Folic acid Metabolism and Megaloblastic Anemias A.Özkan		**Lecture** Non/Hodgkin's Lymphoma II I D. Ekici
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Pathophysiology of Hematopoietic System Disorders II M. Kaçar	**Lecture** Introduction to Anemias in Childhood S. Kemahlı	**Lecture** Hodgkin's Lymphoma I D. Ekici	**ICP-CSL** (Suturing technique) V. Öztürk	**Lecture** Non/Hodgkin's Lymphoma III I D. Ekici
15.00- 15.50	**Lecture** Introduction to Radiation Oncology H. Aydın	**Lecture** Introduction to Hemolytic Anemias S. Kemahlı	**Lecture** Disorders of White Blood Cells& Leukemia I I D. Ekici	**Group A IL** / **Group B** / **Group C IL** / **Group D IL**	**Lecture** Introduction to Clinical Oncology I O .Ö.Eren
16.00- 16.50	**Lecture** Basics of Radiation Biology and Radiation Physics H. Aydın	**Lecture** Pharmacological Basis of Cancer Therapy I F. Kaleağasıoğlu	**Lecture** Disorders of White Blood Cells& Leukemia II I D. Ekici		**Lecture** Introduction to Clinical Oncology II O .Ö.Eren
17.00-17.50	**Independent Learning**	**Lecture** Pharmacological Basis of Cancer Therapy II F. Kaleağasıoğlu	**Independent Learning**	**Independent Learning**	**Lecture** Treatment Approaches of Cancer O .Ö.Eren

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE III - HEMATOPOIETIC SYSTEM
WEEK II / 5-9 Dec 2016

	Monday 5-Dec-2016	Tuesday 6-Dec-2016	Wednesday 7-Dec-2016	Thursday 8-Dec-2016	Friday 9-Dec-2016
09.00- 09.50	**Lecture** Coagulation Defects A.Özkan	**Lecture** Lymphoma A.Özkan	**Lecture** Antineoplastic Drugs II F. Kaleağasıoğlu	**ICP-CSL** (Suturing technique) U.A.Bingöl	**Lecture** Hemophilia and other Coagulopathies in Childhood I S. Yılmaz
10.00- 10.50	**Lecture** Quantitative and Qualitative Platelet Disorders A.Özkan	**Lecture** Acute Leukemias A.Özkan	**Lecture** Antineoplastic Drugs III F. Kaleağasıoğlu	**Group A IL** / **Group B IL** / **Group C IL** / **Group D**	**Lecture** Hemophilia and other Coagulopathies in Childhood II S. Yılmaz
11.00- 11.50	**Lecture** Hypercoagulability A.Özkan	**Lecture** Myeloproliferative Diseases A.Özkan	**Lecture** Comparing Groups-categorical Data I Ç. Kaspar		**Lecture** Congenital Hemolytic Anemias I S. Yılmaz
12.00- 12.50	**Lecture** Multiple Myelom A.Özkan	**Lecture** Chronic Leukemia A.Özkan	**Lecture** Comparing Groups-categorical Data II Ç. Kaspar	**Lecture** Approach to the Patient with LAP H. Akan	**Lecture** Congenital Hemolytic Anemias II S. Yılmaz
12.50-14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Congenital Immunodeficiency Disease H. Sarıçoban	**Lecture** Antineoplastic Drugs I F. Kaleağasıoğlu	**Lecture** Lymphoreactive Disease I D. Ekici	**Lecture** Lenforeticular Infections I Microbiology Lecturer	**Lecture** Immunomodulators F. Kaleağasıoğlu
15.00- 15.50	**ICP-CSL** (Suturing technique) M. F. Çelikmen	**Lecture** Molecular Basis of Hemoglobinopathies A. Ç. Kuşkucu	**Lecture** Pathology of Spleen I D. Ekici	**Lecture** Lenforeticular Infections II M. Sönmezoğlu	**Lecture** Phytotherapy I E. Yeşilada
16.00- 16.50	**Group A IL** / **Group B IL** / **Group C** / **Group D IL**	**Lecture** Genetics of Oncology I A.Ç. Kuşkucu	**Lecture** Responsible Biomedical Research I E. Vatanoğlu	**Lecture** Blood Components and Transfusion Indications M. Sönmezoğlu	**Lecture** Phytotherapy II E. Yeşilada
17.00-17.50		**Lecture** Genetics of Oncology II A.Ç. Kuşkucu	**Lecture** Responsible Biomedical Research II E. Vatanoğlu	**Lecture** Blood Groups M. Sönmezoğlu	**Lecture** Phytotherapy III E. Yeşilada

COMMITTEE III - HEMATOPOIETIC SYSTEM
WEEK III / 12-16 Dec 2016

	Monday 12-Dec-2016	Tuesday 13-Dec-2016	Wednesday 14-Dec-2016	Thursday 15-Dec-2016	Friday 16-Dec-2016
09.00-09.50	**Lecture** Scientific Projects- III: Project Writing G. Yanıkkaya Demirel	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**
10.00-10.50	**Lecture** Comparing Groups-Continous Data II Ç. Kaspar				**COMMITTEE EXAM**
11.00-11.50	**Lecture** Comparing Groups-Continous Data I Ç. Kaspar				
12.00-12.50	**Lecture** Hematostatic Drugs and Hematostatic Blood Products I E. Genç				
12.50-14.00	**LUNCH BREAK**				
14.00-14.50	**Lecture** Hematostatic Drugs and Hematostatic Blood Products II E. Genç				**Program Evaluation Session** Committee III Coordination Committee Members
15.00-15.50	**Multidisciplinary Case Discussion Panel**				**Independent Learning**
16.00-16.50	**Multidisciplinary Case Discussion Panel**				
17.00-17.50	**Independent Learning**				

COMMITTEE IV - GASTROINTESTINAL SYSTEM

DISTRIBUTION of LECTURE HOURS

December 19, 2016 - January 13, 2017

COMMITTEE DURATION: 4 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
	GASTROENTEROHEPATOLOGY	GE	20				**20**
	PATHOLOGY	PT	13		1x3=3 (2 Groups)		**16**
	PHARMACOLOGY	PC	5				**5**
	BIOMEDICAL ETHICS&DEONTOLOGY	BED	4				**4**
	PUBLIC HEALTH	PH	4				**4**
	INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	IDCM	4				**4**
	INTERNAL MEDICINE	IM	3				**3**
	PHYTOTHERAPY	PHY	3				**3**
	PATHOPHYSIOLOGY	PP	2				**2**
	BIOSTATISTICS	BS	4				**4**
	FAMILY MEDICINE	FM	2				**2**
	PEDIATRICS	PED	1				**1**
	PEDIATRIC SURGERY	PEDS	1				**1**
	RADIOLOGY	RAD	1				**1**
	MEDICAL GENETICS	MG	1				**1**
	SURGERY	GS	1				**1**
	EMERGENCY MEDICINE	EM	1				**1**
	INTERDISCIPLINARY	MCDP				2	2
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			1X3=3 (4 Groups)		**3**
TOTAL			**70**		**6**	**2**	**78**

Coordination Committee

HEAD	Meltem Ergün, MD, Assoc. Prof.
SECRETARY	Atakan Yeşil , MD, Assoc. Prof
MEMBER	Ferda Özkan, MD, Prof.
MEMBER	Meltem Uğraş, MD, Assoc. Prof.

COMMITTEE IV - GASTROINTESTINAL SYSTEM
LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
GASTROENTEROHEPATOLOGY	Meltem Ergün, MD, Assoc. Prof. Atalay Yeşil, MD, Prof.
PATHOLOGY	Ferda Özkan, MD, Prof. Işın Doğan Ekici, MD, Prof. Ahmet Sedat Çöloğlu, DMD, Prof.
PHARMACOLOGY	Ece Genç, PhD, Prof. Ferda Kaleağasıoğlu, MD, Prof.
PUBLIC HEALTH	Erol Sezer, MD, Prof Hale Arık Taşyıkan, MD, Asst. Prof
BIOMEDICAL ETHICS & DEONTOLOGY	Elif Vatanoğlu, MD, Assoc. Prof.
INFECTIOUS DISEASES AND CLINICAL MICROBIOLOGY	Meral Sönmezoğlu, MD, Prof. İbrahim Çağatay Acuner, MD, Assoc. Prof.
INTERNAL MEDICINE	Yaşar Küçükardalı, MD. Prof.
PATHOPHYSIOLOGY	Mehtap Kaçar, MD, Assoc. Prof.
PHYTOTHERAPY	Erdem Yeşilada, PhD, Prof.
FAMILY MEDICINE	Hülya Akan, MD, Assoc. Prof. Özlem Tanrıöver, MD, Assoc.Prof.
BIOISTATISTICS	Çiğdem Kaspar, PhD, Asst. Prof.
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Asst. Prof.
EMERGENCY MEDICINE	Mustafa Ferudun Çelikmen, MD, Asst Prof.
PEDIATRICS	Meltem Uğraş, MD, Prof.
PEDIATRIC SURGERY	Selami Sözübir, MD, Prof.
GENERAL SURGERY	Onur Yaprak, MD, Assoc. Prof.
RADIOLOGY	Neslihan Taşdelen, MD, Assoc. Prof. Osman Melih Topçuoğlu, MD
SCIENTIFIC PROJECTS	Gülderen Yanıkkaya Demirel, MD, Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Zehra Eren, MD, Assoc. Prof. Atakan Yeşil, MD, Assoc. Prof. Orhan Önder Ören, MD, Assoc. Prof. Özlem Tanrıöver, MD, Assoc. Prof. Hülya Akan, MD, Assoc. Prof Serdar Özdemir, MD, Asst., Prof.

COMMITTEE IV - GASTROINTESTINAL SYSTEM

AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of gastrointestinal system,
2. ***to convey*** knowledge on etiopathogenesis of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to gastrointestinal system,
3. ***to convey*** knowledge on epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to gastrointestinal system,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to gastrointestinal system,
5. ***to convey*** knowledge on mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to gastrointestinal system,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to gastrointestinal system, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
7. ***to convey*** knowledge on pharmacology of drugs that are effective on gastrointestinal system or on clinical conditions involving gastrointestinal system,
8. ***to convey*** knowledge on phytotherapeutic agents that are effective on gastrointestinal system or on clinical conditions involving gastrointestinal system,
9. ***to convey*** knowledge on biostatistical analysis of association between variables,
10. ***to convey*** necessary knowledge on legal regulations and ethical principles for end-of-life decisions,
11. ***to equip with*** basic and advanced clinical skills (approach to patient with gastrointestinal clinical condition-C4) required at primary health care service level.
12. ***to convey*** knowledge on use of phytotherapy in an evidence based manner and drug interactions in phytotherapy,

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***recall*** anatomy, histology and physiology of gastrointestinal system,

2.0. ***explain*** etiopathogenesis of clinical conditions (infections, nutritional disorders, bleedings, clinical conditions related to gastrointestinal organs) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to gastrointestinal system,

3.0. ***explain*** epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to gastrointestinal system,

4.0. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to gastrointestinal system,
5.0. ***explain*** importance of healthy nutrition, principles of balanced diet, and measurement of nutritional status,
6.0. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to gastrointestinal system,
7.0. at multi-system level and/or related to gastrointestinal system,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

7.1. practice of history taking and physical examination (gastrointestinal-C4)
7.2. evaluation of emergency case (acute abdominal pain-C4)
7.3. approach to healthy individual or patient (diarrhea-C4)
7.4. laboratory tests/examinations
7.5. imaging tests/examinations (scintigraphy of liver/spleen-C4, PET in gastrointestinal system tumors-C4)
7.6. point of care testing
7.7. making preliminary diagnosis or definitive diagnosis decision
7.8. making non-intervention or intervention decision
7.9. practicing non-intervention or intervention
7.10. referral/transport of healthy individual or patient

8. ***list*** differences of gastrointestinal clinical conditions that may occur in children,
9. ***explain*** liver transplantation (indications, contraindications, conditions, risks, methods, patient care, results and monitorization),
10. ***explain*** pharmacology of drugs (agents used in the treatment of peptic ulcer, emetic and antiemetic agents, laxatives) that are effective on gastrointestinal system or on clinical conditions involving gastrointestinal system,
11. ***explain*** genetics of gastrointestinal system,
12. ***explain*** phytotherapeutic agents that are effective on gastrointestinal system or on clinical conditions involving gastrointestinal system,
13. ***define*** biostatistical analysis of association between variables,
14. ***tell*** legal regulations and ethical principles for end-of-life decisions,
15. ***perform*** basic clinical skills, practiced on phantom models and advanced clinical skills, practiced on simulated/standardized patients (approach to patient with gastrointestinal clinical condition-C4), required at primary health care service.
16. ***to convey*** knowledge on use of phytotherapy in an evidence based manner and drug interactions in phytotherapy.

COMMITTEE IV - GASTROINTESTINAL SYSTEM
COMMITTEE ASSESSMENT MATRIX

PHASE III
COURSE: MD 320 INTRODUCTION TO CLINICAL SCIENCES
COURSE COMPONENT: COMMITTEE IV - GASTROINTESTINAL SYSTEM

QUESTION DISTRIBUTION TABLE

LEARNING OBJECTIVE	FACULTY DEPARTMENT	LECTURER/ INSTRUCTOR	NUMBER OF QUESTIONS (MCQ)			
			CE	FE	IE	Total
1.0.,2.0.,3.0.,4.0.,6.0.,7.0.	GE	M. Ergün A. Yeşil	26	6	6	**38**
2.0.,6.0.	PT	I. D. Ekici	17	4	4	**25**
2.0.,6.0.,7.4.		F. Özkan				
2.0, 6.0, 7.4		A.S.Çöloğlu				
10.0.	PC	E. Genç	7	2	2	**11**
10.0.		F. Kaleağasıoğlu				
3.0.,4.0.,5.0.	PH	R.E. Sezer	5	1	1	**7**
3.0.,4.0.,5.0.		H.A.Taşyıkan				
14.0.	BED	E. Vatanoğlu	5	1	1	**7**
2.0.,3.0.,4.0.,6.0.,7.0.	IDCM	M. Sönmezoğlu	5	1	1	**7**
2.0.,3.0.,4.0.,6.0.,7.4.		İ.Ç.Acuner				
13.0.	BS	Ç. Kaspar	5	1	1	**7**
1.0.,2.0.,3.0.,4.0.,6.0.,6.0.,7.1.	IM	Y. Küçükardalı	4	1	1	**6**
12.0	PHR (PHY)	E. Yeşilada	4	1	1	**6**
2.0.,6.0.	PP	M. Kaçar	3	1	1	**5**
7.3.	FM	H. Akan	3	1	1	**5**
7.3.		Ö. Tanrıöver				
5.0.	PED	M. Ugras	1	0	0	**1**
1.0.,2.0.,3.0.,4.0.,6.0.,7.0.	PEDS	S. Sözübir	1	1	1	**3**
7.5.	RAD	N. Taşdelen	1	0	0	**1**
11.0.	MG	A.Ç. Kuşkucu	1	0	0	**1**
9.0.	GS	O.Yaprak	1	0	0	**1**
2.0.,3.0.,4.0.,6.0.,7.3.	EM	F. Çelikmen	1	0	0	**1**
TOTAL			**90**	**15**	**15**	**120**

LEARNING OBJECTIVE	FACULTY DEPARTMENT	LECTURER/INSTRUCTOR	NUMBER OF QUESTIONS (EMQ)			
			CE	FE	IE	Total
1.0.,2.0.,3.0.,4.0.,6.0.,7.0.	GE	M.Ergün	3	-	-	3
2.0.,6.0.,7.4.	PT	F. Özkan/ I.D.Ekici	2	-	-	2
TOTAL			**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 pts; pts:** Points
*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.
MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
****15** out of 200 FE and ICE MCQs will be from Committee IV (Each question is of worth **0.5** pts).

COMMITTEE IV - GASTROINTESTINAL SYSTEM
WEEK I / 19-23 Dec 2016

	Monday 19-Dec-2016	Tuesday 20-Dec-2016	Wednesday 21-Dec-2016	Thursday 22-Dec-2016	Friday 23-Dec-2016
09.00- 09.50	**Introductory Session** Introduction to Committee IV *Head of Commitee*	**Lecture** Oral Pathology A. S. Çöloğlu	**Lecture** Pathology of Stomach I F. Özkan	**ICP-CSL** (History taking and physical examination of gastrointestinal system) Z.Eren / S. Özdemir / H. Akan	**Lecture** Pathology of Liver I F. Özkan
10.00- 10.50	**Lecture** Semiology I Y. Küçükardalı	**Lecture** Pathology of Esophagus I F. Özkan	**Lecture** Pathology of Stomach II F. Özkan	**Group A** / **Group B IL** / **Group C IL** / **Group D IL**	**Lecture** Pathology of Liver I F. Özkan
11.00- 11.50	**Lecture** Semiology II Y. Küçükardalı	**Lecture** Pathology of Esophagus II F. Özkan	**Lecture** Pathology of Intestinal Diseases I F. Özkan		**Lecture** Acute Gastroenteritis M. Sönmezoğlu
12.00- 12.50	**Lecture** Pathophysiology of Gastro–intestinal Disorders I M. Kaçar	**Lecture** Laxatives F. Kaleağasıoğlu	**Lecture** Pathology of Intestinal Diseases II F. Özkan	**Lecture** Food poisoning Microbiology Lecturer	**Lecture** Hepatitis II M. Sönmezoğlu
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Pathophysiology of Gastro–intestinal Disorders II M. Kaçar	**Lecture** Relation Between Several Variables I Ç. Kaspar	**Lecture** Approach to the Patient with Abdominal Pain Regarding to Primary Care Ö. Tanrıöver	**Lecture** Malabsorbtion A. Yeşil	**Independent Learning**
15.00- 15.50	**Lecture** Relation Between Two Variables I Ç. Kaspar	**Lecture** Relation Between Several Variables II Ç. Kaspar	**Lecture** Approach to the Patient with Diarrhea Regarding to Primary Care H. Akan	**Lecture** Inflammatory Bowel Disease A. Yeşil	**Independent Learning**
16.00- 16.50	**Lecture** Relation Between Two Variables II Ç. Kaspar	**Lecture** Clinical Approach to the Patient with Acute Abdominal Pain S. Sarıkaya	**Lecture** The Ethics of Testing and Screening I E. Vatanoğlu	**Lecture** Functional GI Disorders & Irritable Bowel Disease A. Yeşil	**Independent Learning**
17.00-17.50	**Independent Learning**	**Lecture** Gastrointestinal Bleedings in Children S. Sözübir	**Lecture** The Ethics of Testing and Screening II E. Vatanoğlu	**Lecture** Tumors of Eusophagus, Stomach and Small Intestine A. Yeşil	**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE IV - GASTROINTESTINAL SYSTEM WEEK II / 26-30 Dec 2016

	Monday 26-Dec-2016	Tuesday 27-Dec-2016	Wednesday 28-Dec-2016	Thursday 29-Dec-2016	Friday 30-Dec-2016
09.00- 09.50	**Lecture** Gastritis and Helicobacter Pylori M. Ergün	**Lecture** Pathology of Liver & Biliary System I I. D. Ekici	**Lecture** Hepatitis I Microbiology Lecturer	**ICP-CSL** (History taking and physical examination of gastrointestinal system) Z. Eren / S. Özdemir /H. Akan	**ICP-CSL** (History taking and physical examination of gastrointestinal system) A.Yeşil / S. Özdemir / Ö. Tanrıöver
10.00- 10.50	**Lecture** Gastroeusophegeal Reflux (GE) and Esophageal Motility Disorder M. Ergün	**Lecture** Pathology of Liver & Biliary System II I. D. Ekici	**Lecture** Jaundice M. Ergün	**Group A IL** / **Group B** / **Group C IL** / **Group D IL**	**Group A IL** / **Group B IL** / **Group C** / **Group D IL**
11.00- 11.50	**Lecture** Agents used in the Treatment of Peptic Ulcer I E. Genç	**Lecture** Pathology of Liver & Biliary System III I. D. Ekici	**Lecture** Chronic Viral Hepatitis M. Ergün		
12.00- 12.50	**Lecture** Agents used in the Treatment of Peptic Ulcer II E. Genç	**Lecture** Pathology of Liver & Biliary System IV I. D. Ekici	**Lecture** Cirrhosis and Complications M. Ergün	**Lecture** Pathology of Appendix & Peritoneum F. Özkan	**Lecture** Premalignant Lesion of the Colon M. Ergün
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Peptic Ulcer Disease A.Yeşil	**Pathology Laboratory** (Gastrointestinal System) F. Özkan/ I.D. Ekici — **Group A** / **Group B IL**	**Lecture** Epidemiology, Prevention and Control of Obesity I H.A.Taşyıkan	**Pathology Laboratory** (Gastrointestinal System) F. Özkan/ I.D. Ekici — **Group A** / **Group B IL**	**Lecture** Malignant Lesions of the Colon M. Ergün
15.00- 15.50	**Lecture** Autoimmune Hepatitis A.Yeşil	**Group A IL** / **Group B**	**Lecture** Epidemiology, Prevention and Control of Obesity II H.A.Taşyıkan	**Group A IL** / **Group B**	**Lecture** Acute Liver Failure A. Yeşil
16.00- 16.50	**Independent Learning**		**Lecture** Public Health and Nutrition I R.E. Sezer		**Lecture** Disease of the Bile Duct and Gall Bladder A. Yeşil
17.00-17.50	**Independent Learning**	**Independent Learning**	**Lecture** Public Health and Nutrition II R.E. Sezer	**Independent Learning**	**Independent Learning**

COMMITTEE IV - GASTROINTESTINAL SYSTEM
WEEK III / 2-6 Jan 2017

<table>
<tr><th></th><th>Monday
2-Jan-2017</th><th>Tuesday
3-Jan-2017</th><th>Wednesday
4-Jan-2017</th><th colspan="4">Thursday
5-Jan-2017</th><th>Friday
6-Jan-2017</th></tr>
<tr><td>09.00- 09.50</td><td>Lecture
Wilson Disease and Hemochromatisis
A. Yeşil</td><td>Lecture
Emetic & Antiemetic Agents
F. Kaleağasıoğlu</td><td>Lecture
Drug Induced Liver Disease
M. Ergün</td><td colspan="4">ICP-CSL
(History taking and physical examination of gastrointestinal system)
A.Yeşil / S. Özdemir / Ö. Tanrıöver</td><td rowspan="4">Independent learning</td></tr>
<tr><td>10.00- 10.50</td><td>Lecture
Acute and Chronic Pancreatitis
A. Yeşil</td><td>Lecture
Digestive & Antidiarrheal Drugs
F. Kaleağasıoğlu</td><td>Lecture
Mass Lesions of the Liver
M. Ergün</td><td rowspan="2">Group A
IL</td><td rowspan="2">Group B
IL</td><td rowspan="2">Group C
IL</td><td rowspan="2">Group D</td></tr>
<tr><td>11.00- 11.50</td><td>Lecture
Tumors of the Bile Ducts and Pancreas
A.Yeşil</td><td>Lecture
Complex diseases-Inherited Gastrointestinal System Disorders
A.Ç. Kuşkucu</td><td>Multidisciplinary Case Discussion Panel</td></tr>
<tr><td>12.00- 12.50</td><td>Lecture
Alcoholic and Nonalcoholic Liver Disease
Y. Küçükardalı</td><td>Lecture
Clinical Nutrition
M. Uğraş</td><td>Multidisciplinary Case Discussion Panel</td><td colspan="4">Independent Learning</td></tr>
<tr><td>12.50 – 14.00</td><td colspan="8">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td>Lecture
Transplantation of Liver
O. Yaprak</td><td>Lecture
Phytotherapy-IV
E. Yeşilada</td><td rowspan="4">Independent Learning</td><td colspan="4" rowspan="2">2nd Coordination Committee Meeting</td><td rowspan="4">Independent learning</td></tr>
<tr><td>15.00- 15.50</td><td>Lecture
Radiology of Gastrointestinal System
N. Taşdelen/O.M.Topçuoğlu</td><td>Lecture
Phytotherapy-V
E. Yeşilada</td></tr>
<tr><td>16.00- 16.50</td><td>Lecture
Organ Transplantation and Ethics I
E. Vatanoğlu</td><td>Lecture
Phytotherapy-VI
E. Yeşilada</td><td colspan="4" rowspan="2">Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td>Lecture
Organ Transplantation and Ethics II
E. Vatanoğlu</td><td>Independent Learning</td></tr>
</table>

COMMITTEE IV - GASTROINTESTINAL SYSTEM
WEEK IV / 9-13 Jan 2017

	Monday 9-Jan-2017	Tuesday 10-Jan- 2017	Wednesday 11-Jan-2017	Thursday 12-Jan-2017	Friday 13-Jan-2017
09.00- 09.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Independent Learning
10.00- 10.50					COMMITTEE EXAM
11.00- 11.50					
12.00- 12.50					
12.50 – 14.00	LUNCH BREAK				
14.00- 14.50	Independent Learning	Independent Learning	Independent Learning	Independent Learning	Program Evaluation Session Committee IV Coordination Committee Members
15.00 -15.50					Independent Learning
16.00 - 16.50					
17.00 - 17.50					

COMMITTEE V - ENDOCRINOLOGY and REPRODUCTIVE SYSTEMS

DISTRIBUTION of LECTURE HOURS

January 30, 2017 – March 3, 2017

COMMITTEE DURATION: 5 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	PATHOLOGY	PT	20				**20**
	OBST & GYNEC	OBS-GYN	16				**16**
	ENDOCRINOLOGY	END	13				**13**
	INTERNAL MEDICINE	IM	2				**2**
	PHARMACOLOGY	PC	11				**11**
	MEDICAL GENETICS	MG	6				**6**
	INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	IDCM	3		1x2=2 (2 Groups)		**5**
	PATHOPHYSIOLOGY	PP	5				**5**
	BIOMEDICAL ETHICS&DEONTOLOGY	BED	4				**4**
	PUBLIC HEALTH	PH	4				**4**
	FAMILY MEDICINE	FM	4				**4**
	PEDIATRICS	PED	3				**3**
	BIOSTATISTICS	BS	4				**4**
	PHYTOTHERAPY	PHR (PHY)	2				**2**
	RADIOLOGY	RAD	1				**1**
	HISTOLOGY	HST	1				**1**
	SCIENTIFIC PROJECTS- III	SP	1				**1**
	INTERDISCIPLINARY	MCDP				2	**2**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			1x3=3 (4 Groups)		**3**
TOTAL			**100**		**5**	**2**	**107**

Coordination Committee

HEAD	Hasan Aydın, MD, Prof.
SECRETARY	Oluş Api, MD, Assoc. Prof.
MEMBER	Ayşegül Kuşkucu, MD, Asst. Prof.
MEMBER	Ece Genç, PhD, Prof.

COMMITTEE V - ENDOCRINE SYSTEM and REPRODUCTIVE SYSTEM
LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
PATHOLOGY	Ferda Özkan, MD, Prof. Işın Doğan Ekici, MD, Prof. Ahmet Sedat Çöloğlu, DMD, Prof.
OBSTETRICS and GYNECOLOGY	N. Cem Fıçıcıoğlu, MD, Prof. Meral Aban, MD, Prof. Selçuk Özden, MD, Prof.0 Oluş Api, MD, Assoc. Prof. Rukset Attar, MD, Assoc. Prof. Gazi Yıldırım, MD, Assoc. Prof.
ENDOCRINOLOGY	Hasan Aydın, MD, Assoc. Prof.
INTERNAL MEDICINE	Yaşar Küçükardalı, MD, Prof.
PHARMACOLOGY	Ece Genç, PhD, Prof. Ferda Kaleağasıoğlu, MD, Prof.
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Asst. Prof.
INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	Meral Sönmezoğlu, MD Prof. İbrahim Çağatay Acuner, MD, Assoc. Prof.
PATHOPHYSIOLOGY	Mehtap Kaçar, MD, Assoc. Prof.
BIOMEDICAL ETHICS&DEONTOLOGY	Elif Vatanoğlu, MD, Assoc. Prof.
PUBLIC HEALTH	Recep Erol Sezer, MD, Prof. Hale Arık Taşyıkan, MD, Asst. Prof.
FAMILY MEDICINE	Özlem Tanrıöver, MD, Assoc. Prof. Ayşe Arzu Akalın, MD, Asst. Prof.
PEDIATRICS	Mustafa Berber, MD, Asst. Prof. F. T. Coşkun, MD
BIOSTATISTICS	Çiğdem Kaspar, PhD, Asst. Prof.
RADIOLOGY	Neslihan Taşdelen, MD, Assoc. Prof.
PHYTOTHERAPY	Erdem Yeşilada, MD, Prof.
RADIOLOGY	Neslihan Taşdelen, MD, Assoc. Prof.
HISTOLOGY & EMBRYOLOGY	Oya Alagöz, MD, Asst. Prof.
SCIENTIFIC PROJECTS- III	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Oluş Api, MD, Assoc. Prof. Rukset Attar, MD, Assoc. Prof. Gazi Yıldırım, MD, Assoc. Prof.

COMMITTEE V - ENDOCRINE SYSTEM and REPRODUCTIVE SYSTEM

AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, embryology, histology and physiology of endocrine and reproductive systems,
2. ***to convey*** knowledge on health care service practices related to reproductive care,
3. ***to convey*** knowledge on etiopathogenesis of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to endocrine and reproductive systems,
4. ***to convey*** knowledge on epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to endocrine and reproductive systems,
5. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to endocrine and reproductive systems,
6. ***to convey*** knowledge on mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to endocrine and reproductive systems,
7. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to endocrine and reproductive systems, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
8. ***to convey*** knowledge on pharmacology of drugs that are effective on endocrine and reproductive systems or on clinical conditions involving endocrine and reproductive systems,
9. ***to convey*** knowledge on genetics of endocrine and reproductive systems,
10. ***to convey*** knowledge on phytotherapeutic agents that are effective on endocrine system or on clinical conditions involving endocrine system,
11. ***to convey*** knowledge on design and biostatistical analysis of survival research,
12. ***to convey*** knowledge on legal regulations and ethical principles related to reproductive care,
13. ***to equip with*** basic and advanced clinical skills (*normal spontaneous vaginal delivery on phantom model-C5*) required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***recall*** anatomy, embryology, histology and physiology of endocrine and reproductive systems,
2.0. ***explain*** physiology of normal spontaneous vaginal delivery,
3.0. ***define*** practice of reproductive care,
4.0. ***explain*** etiopathogenesis of clinical conditions (menstrual cycle/developmental conditions/congenital and sexually transmitted infections) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to endocrine and reproductive systems,
5.0. ***explain*** epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to endocrine and reproductive systems,
6.0. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to endocrine and reproductive systems,

7.0. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to endocrine and reproductive systems,

8.0. at multi-system level and/or related to endocrine and reproductive systems,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

8.1. practice of history taking and physical examination (gynecological-C5, breast-C5)

8.2. evaluation of emergency case

8.3. approach to healthy individual or patient (pregnancy-C5)

8.4. laboratory tests/examinations (venous blood collection-C5, throat swab specimen-C5, sputum sample collection-C5, thyroid function tests-C5, diabetes tests-C5, rapid screening [antigen/antibody] tests-C5, throat culture-C5, sputum culture-C5)

8.5. imaging tests/examinations (radiological examinations in gynecology-C5, breast imaging-C5, radioisotope imaging of thyroid and parathyroid-C5)

8.6. point of care testing (diabetes tests-C5, rapid screening [antigen/antibody] tests-C5)

8.7. making preliminary diagnosis or definitive diagnosis decision

8.8. making non-intervention or intervention decision

8.9. practicing non-intervention or intervention

8.10. referral/transport of healthy individual or patient

9.0. ***explain*** pharmacology of drugs (hypothalamic and pituitary hormones, drugs effecting functions and action of oxytocin and ADH, thyroid and antithyroid drugs, adrenocortical hormones and drugs, insulin and oral antidiabetic drugs, estrogens, progestines and inhibitors) that are effective on endocrine and reproductive systems or on clinical conditions involving endocrine and reproductive systems,

10.0. ***explain*** genetics of endocrine and reproductive systems,

11.0. ***explain*** mechanisms of action for phytotherapeutic agents that are effective on endocrine system or in clinical conditions related to endocrine system,

12.0. ***define*** design and biostatistical analysis of survival research,

13.0. ***explain*** legal regulations and ethical principles related to reproductive care,

14.0. ***perform*** basic clinical skills, practiced on phantom models (normal spontaneous vaginal delivery-C5), and advanced clinical skills, practiced on simulated/standardized patients required at primary health care service.

COMMITTEE V - ENDOCRINE SYSTEM and REPRODUCTIVE SYSTEM
COMMITTEE ASSESSMENT MATRIX

PHASE III
COURSE: MD 320 INTRODUCTION TO CLINICAL SCIENCES
COURSE COMPONENT: COMMITTEE V - ENDOCRINE SYSTEM and REPRODUCTIVE SYSTEM

QUESTION DISTRIBUTION TABLE

LEARNING OBJECTIVE	FACULTY DEPARTMENT	LECTURER/ INSTRUCTOR	NUMBER OF QUESTIONS (MCQ)			
			CE	FE	IE	Total
1.0, 4.0, 7.0, 8.4	PT	F. Özkan	17	6	6	**29**
1.0, 4.0, 7.0, 8.4		I.D. Ekici				
1.0, 4.0, 7.0, 8.4		A.Sedat Çöloğlu				
1.0-8.0	OBS-GYN	C. Fıçıcıoğlu	14	5	5	**24**
1.0-8.0		O. Api				
1.0-8.0		R. Attar				
1.0-8.0		G.Yıldırım				
1.0, 4.0-8.0	END	H. Aydın	11	4	4	**19**
9.0	PC	E. Genç	10	3	3	**16**
9.0		F.Kaleağasıoğlu				
10.0	MG	A. Ç. Kuşkucu	5	2	2	**9**
4.0, 7.0	PP	M. Kaçar	5	2	2	**9**
10.0	BED	E.Vatanoğlu	4	1	1	**6**
5.0, 6.0	PH	R.E. Sezer	4	1	1	**6**
5.0, 6.0		H.A.Taşyıkan				
6.0, 8.0,8.1, 8.3	FM	A Akalın	4	1	1	**6**
8.3		Ö. Tanrıöver				
12.0	BS	Ç. Kaspar	4	1	1	**6**
4.0, 5.0, 6.0, 7.0, 8.0	IDCM	M. Sönmezoğlu	3	1	1	**5**
4.0, 5.0, 6.0, 7.0, 8.4		İ.Ç.Acuner				
1.0, 4.0-8.0	PED	M. Berber	3	1	1	**5**
		F. T. Coşkun				
1.0, 4.0-8.0	IM	Y. Küçükardalı	2	1	1	**4**
	PHR (PHY)	E. Yeşilada	2	1	1	**4**
8.5,	RAD	N. Taşdelen	1	1	1	**3**
1.0	HST	O. Akçin	1	0	0	**1**
TOTAL			**90**	**31**	**31**	**152**

LEARNING OBJECTIVE	FACULTY DEPARTMENT	LECTURER/ INSTRUCTOR	NUMBER OF QUESTIONS (EMQ)			
			CE	FE	IE	Total
1.0, 4.0-8.0	END	H. Aydın	1	-	-	**1**
1.0-8.0	OBS-GYN	O.Api	2	-	-	**2**
1.0, 4.0, 7.0, 8.4	PT	F. Özkan	2			**2**
		TOTAL	**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 points**
*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.
MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
pts: Points
****31** out of 200 FE and ICE MCQs will be from Committee V (Each question is of worth **0.5** pts).

COMMITTEE V - ENDOCRINOLOGY and REPRODUCTIVE SYSTEMS
WEEK I / 30 Jan-3 Feb 2017

	Monday 30-Jan-2017	Tuesday 31-Jan-2017	Wednesday 1-Feb-2017	Thursday 2-Feb-2017	Friday 3-Feb-2017
09.00- 09.50	**Introductory Session** Introduction to Committee V Head of Committee	**Lecture** Pathology of Endocrine System: Introduction A. S. Çöloğlu	**Lecture** Thyroid Function Tests H. Aydın	**ICP-CSL** (Follow-up of pregnancy & stages of normal labour & Gynecological examination, PAP smear obtaining) R. Attar /G. Yıldırım/ Oluş Api	**Lecture** Hypocalcemic Diseases H. Aydın
10.00- 10.50	**Lecture** Pathophysiology of Endocrine System Diseases I M. Kaçar	**Lecture** Pathology of Pituitary Gland I A. S. Çöloğlu	**Lecture** Thyroid Disorders H. Aydın	**Group A** / **Group B IL** / **Group C IL** / **Group D IL**	**Lecture** Adrenal Disorders H. Aydın
11.00- 11.50	**Lecture** Pathophysiology of Endocrine System Diseases II M. Kaçar	**Lecture** Pathology of Pituitary Gland II A. S. Çöloğlu	**Lecture** Calcium Metabolism H. Aydın		**Lecture** Hypoglycemia H. Aydın
12.00- 12.50	**Lecture** Pathophysiology of Endocrine System Diseases III M. Kaçar	**Lecture** Introduction to Endocrine Pharmacology E. Genç	**Lecture** Hypercalcemic Diseases H. Aydın	**Lecture** Design of Survival Studies I Ç. Kaspar	**Lecture** Congenital Adrenal Hyperplasia M. Berber
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Introduction to Endocrinology H. Aydın	**Lecture** Hypothalamic and Pituitary Hormones I F. Kaleağasıoğlu	**Lecture** Thyroid and Antithyroid Drugs I E. Genç	**Lecture** Design of Survival Studies II Ç. Kaspar	**Independent learning**
15.00- 15.50	**Lecture** Hyperfunctioning Disorders of Anterior Pituitary Gland H. Aydın	**Lecture** Hypothalamic and Pituitary Hormones II F. Kaleağasıoğlu	**Lecture** Thyroid and Antithyroid Drugs II E. Genç	**Lecture** Pathology of Adrenal Gland I A. S. Çöloğlu	
16.00- 16.50	**Lecture** Disorders of Posterior Pituitary Gland H. Aydın	**Lecture** Pathology of Thyroid & Parathyroid I F. Özkan	**Lecture** Imaging of Thyroid Glands N. Taşdelen	**Lecture** Pathology of Adrenal Gland II A. S. Çöloğlu	
17.00-17.50	**Lecture** Hypopituatirism H. Aydın	**Lecture** Pathology of Thyroid & Parathyroid II F. Özkan	**Independent Learning**	**Independent Learning**	

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE V - ENDOCRINOLOGY and REPRODUCTIVE SYSTEMS

WEEK II / 6-10 Feb 2017

	Monday 6-Feb-2017	Tuesday 7-Feb-2017	Wednesday 8-Feb-2017	Thursday 9-Feb-2017	Friday 10-Feb-2017
09.00- 09.50	**Lecture** Pathology of Pancreas I A. S. Çöloğlu	**Lecture** Introduction to Diabetes Mellitus Y. Küçükardalı	**Lecture** Chromosomal Disorders I A. Ç. Kuşkucu	**ICP-CSL** (Follow-up of pregnancy & stages of normal labour & Gynecological examination, PAP smear obtaining) R. Attar /G. Yıldırım/ Oluş Api	**Lecture** Puerperal Infections Oluş Api
10.00- 10.50	**Lecture** Pathology of Pancreas II A. S. Çöloğlu	**Lecture** Clinical and Laboratory Findings of Diabetes Mellitus Y. Küçükardalı	**Lecture** Chromosomal Disorders II (Sex chromosomes and their abnormalities) A. Ç. Kuşkucu	**Group A IL** / **Group B** / **Group C IL** / **Group D IL**	**Lecture** Normal and Abnormal Labor Oluş Api
11.00- 11.50	**Lecture** Obesity H. Aydın	**Lecture** Insulin and Oral Antidiabetic Drugs I E. Genç	**Lecture** Pathophysiology of Reproductive System Diseases I M. Kaçar		**Lecture** Pathology of Cervix Uteri I F. Özkan
12.00- 12.50	**Lecture** Diffuse Hormonal Systems and Endocrine Tumor Syndromes H. Aydın	**Lecture** Insulin and Oral Antidiabetic Drugs II E. Genç	**Lecture** Pathophysiology of Reproductive System Diseases II M. Kaçar	**Independent Learning**	**Lecture** Pathology of Cervix Uteri II F. Özkan
12.50-14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Adrenocortical Hormones and Drugs I E. Genç	**Lecture** Epidemiology, Prevention and Control of Type II Diabetes Mellitus R. E. Sezer	**Lecture** Pathology of Breast I F. Özkan	**Lecture** Conditions affecting Vulva & Vagina M. Aban	**Lecture** Inborn Errors of Metabolism I A.Ç. Kuşkucu
15.00- 15.50	**Lecture** Adrenocortical Hormones and Drugs II E. Genç	**Independent Learning**	**Lecture** Pathology of Breast II F. Özkan	**Lecture** The Gynecological History and Examination G. Yıldırım	**Lecture** Inborn Errors of Metabolism II A.Ç. Kuşkucu
16.00- 16.50	**Lecture** Delivery of Family Planning Services I A. Akalın	**Independent Learning**	**Lecture** Pathology of Vulva & Vagina F. Özkan	**Lecture** Endometriosis & Adenomyosis G. Yıldırım	**Independent Learning**
17.00-17.50	**Lecture** Delivery of Family Planning Services II A. Akalın	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

COMMITTEE V - ENDOCRINOLOGY and REPRODUCTIVE SYSTEMS
WEEK III / 13-17 Feb 2017

	Monday 13-Feb-2017	Tuesday 14-Feb-2017	Wednesday 15-Feb-2017	Thursday 16-Feb-2017	Friday 17-Feb-2017
09.00-09.50	**Lecture** Pathology of Pregnancy & Placenta F. Özkan	**Lecture** Antenatal Care S. Özden	**Lecture** Normal Pubertal Development M. Berber Belma Haliloğlu	**ICP-CSL** (Follow-up of pregnancy & stages of normal labour & Gynecological examination, PAP smear obtaining) R. Attar /G. Yıldırım/ Oluş Api	**ICP-CSL** (Follow-up of pregnancy & stages of normal labour & Gynecological examination, PAP smear obtaining) R. Attar/ G.Yıldırım/OluşApi
10.00-10.50	**Lecture** Pathology of Uterus I F. Özkan	**Lecture** Disorders of Early Pregnancy (Miscarriage; Ectopic; GTD) S. Özden	**Lecture** Pubertal Disorders M. Berber Belma Haliloğlu	**Group A IL** / **Group B IL** / **Group C** / **Group D IL**	**Group A IL** / **Group B IL** / **Group C IL** / **Group D**
11.00-11.50	**Lecture** Pathology of Uterus II F. Özkan	**Lecture** Genetic disorders of gonadal development A. Ç. Kuşkucu	**Lecture** The Menstrual Cycle and Disorders of the Menstrual Cycle R. Attar		
12.00-12.50	**Lecture** Analysis of Survival Studies I Ç. Kaspar	**Lecture** Prenatal genetic diagnosis and genetic counseling A. Ç. Kuşkucu	**Lecture** Normal and Abnormal Sexual Development & Puberty R. Attar	**Lecture** Scientific Projects- III: Writing Project G. Y. Demirel	**Independent Learning**
12.50-14.00	**LUNCH BREAK**				
14.00-14.50	**Lecture** Analysis of Survival Studies II Ç. Kaspar	**Lecture** Medical History for Breast Diseases in Primary Care & Clinical Breast Examination A. Akalın	**Lecture** Estrogens, Progestines and Inhibitors I F. Kaleağasıoğlu	**Lecture** Pathology of Ovary I F. Özkan	**Lecture** Reproductive, Maternal and Child Health I H. A. Taşyıkan
15.00-15.50	**Microbiology Laboratory** (Diagnostic tests of urogenital specimens İ.Ç.Acuner) / **Group A** / **Group B IL** / **Group C & D IL**	**Microbiology Laboratory** (Diagnostic tests of urogenital specimens İ.Ç.Acuner) / **Group C** / **Group D II** / **Group A & B IL**	**Lecture** Estrogens, Progestines and Inhibitors II F. Kaleağasıoğlu	**Lecture** Pathology of Ovary II F. Özkan	**Lecture** Reproductive, Maternal and Child Health II H. A. Taşyıkan
16.00-16.50	**Group A IL** / **Group B**	**Group C IL** / **Group D**	**Lecture** Embryology O. Alagöz	**Lecture** Pathology of Treponemal Infections F. Özkan	**Lecture** Reproductive, Maternal and Child Health III H. A. Taşyıkan
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent learning**	**Independent Learning**	**Independent Learning**

COMMITTEE V - ENDOCRINOLOGY and REPRODUCTIVE SYSTEMS

WEEK IV / 20-24 Feb 2017

	Monday 20-Feb-2017	Tuesday 21-Feb-2017	Wednesday 22-Feb-2017	Thursday 23-Feb-2017	Friday 24-Feb-2017
09.00- 09.50	**Lecture** Menopause C. Fıçıcıoğlu	**Lecture** Malign Diseases of the Uterus and the Cervix M. Aban	**Lecture** Benign Diseases of the Uterus and the Cervix R. Attar	**OSCE-I EXAM**	**OSCE-I EXAM**
10.00- 10.50	**Lecture** Fertility Control C. Fıçıcıoğlu	**Lecture** Malign Diseases of the Ovary M. Aban	**Lecture** Benign Diseases of the Ovary R. Attar		
11.00- 11.50	**Lecture** Infertility C. Fıçıcıoğlu	**Lecture** Phytotherapy-VII E. Yeşilada	**Multidisciplinary Case Discussion Panel**		
12.00- 12.50	**Lecture** General Approach to the Pregnant Woman Ö. Tanrıöver	**Lecture** Phytotherapy-VIII E. Yeşilada	**Multidisciplinary Case Discussion Panel**		
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Reproductive Ethics I E. Vatanoğlu	**Lecture** Congenital Infections and Sexually Transmitted Diseases, Genital Infections I Microbiology Lecturer	**Independent Learning**	**OSCE-I EXAM**	**OSCE-I EXAM**
15.00- 15.50	**Lecture** Reproductive Ethics II E. Vatanoğlu	**Lecture** Congenital Infections and Sexually Transmitted Diseases, Genital Infections II Microbiology Lecturer			
16.00- 16.50	**Lecture** Reproductive Ethics III E. Vatanoğlu	**Lecture** Congenital Infections and Sexually Transmitted Diseases, Genital Infections III M. Sönmezoğlu			
17.00-17.50	**Lecture** Reproductive Ethics IV E. Vatanoğlu	**Independent Learning**			

COMMITTEE V - ENDOCRINOLOGY and REPRODUCTIVE SYSTEMS

WEEK V / 27 Feb-3 Mar 2017

<table>
<tr><th></th><th>Monday
27-Feb-2017</th><th>Tuesday
28-Feb-2017</th><th>Wednesday
1-Mar-2017</th><th>Thursday
2-Mar-2017</th><th>Friday
3-Mar-2017</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">COMMITTEE EXAM</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>12.50 – 14.00</td><td colspan="4">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td>Program Evaluation Session
Committee V
Coordination Committee
Members</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td></tr>
<tr><td>17.00-17.50</td></tr>
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COMMITTEE VI - URINARY SYSTEM

DISTRIBUTION of LECTURE HOURS

March 6, 2017 – March 31, 2017

COMMITTEE DURATION: 4 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	UROLOGY	URO	7				**7**
	NEPHROLOGY	NE	11				**11**
	PATHOLOGY	PT	12		1x2=2 (2 Groups)		**14**
	PATHOPHYSIOLOGY	PP	2				**2**
	PHARMACOLOGY	PC	3				**3**
	PEDIATRICS	PED	3				**3**
	PUBLIC HEALTH	PH	2				**2**
	RADIOLOGY	RAD	1				**1**
	MEDICAL GENETICS	MG	1				**1**
	INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	IDCM	2		1x2=2 (2 Groups)		**4**
	PEDIATRIC SURGERY	PED-S	1				**1**
	GENERAL SURGERY	GS	1				**1**
	BIOSTATISTICS	BS	4				**4**
	FAMILY MEDICINE	FM	1				**1**
	INTERDISCIPLINARY	MCDP				2	**2**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			1x2=2 (4 Groups) 1x3=3 (4 Groups)		**5**
TOTAL			**51**		**9**	**2**	**62**

Coordination Committee

HEAD	Gülçin Kantarcı, MD, Prof.
SECRETARY	Zehra Eren, MD, Assoc. Prof.
MEMBER	Işın Doğan Ekici, MD, Prof.
MEMBER	Ahmet Tunç Özdemir, MD, Assoc. Prof.

COMMITTEE VI - URINARY SYSTEM

LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
PATHOLOGY	Işın Doğan Ekici, MD, Prof. Ahmet Sedat Çöloğlu, DMD, Prof
NEPHROLOGY	Gülçin Kantarcı, MD, Prof. Zehra Eren, MD, Assoc. Prof.
UROLOGY	Faruk Yencilek, MD, Prof. Ahmet Tunç Özdemir, MD, Assoc. Prof. Hasbey Hakan Koyuncu, MD, Asst. Prof.
BIOSTATISTICS	Çiğdem Kaspar, PhD, Asst. Prof.
PEDIATRICS	Filiz Bakar, MD, Prof. E. Romano, MD
PHARMACOLOGY	Ece Genç, PhD, Prof.
PUBLIC HEALTH	Hale Arık Taşyıkan, MD, Asst. Prof.
PATHOPHYSIOLOGY	Mehtap Kaçar, MD, Assoc. Prof.
INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	Meral Sönmezoğlu, MD, Assoc. Prof. İbrahim Çağatay Acuner, MD, Assoc. Prof.
RADIOLOGY	Ayşegül Sarsılmaz, MD, Asst. Prof.
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Asst. Prof.
PEDIATRIC SURGERY	Selami Sözübir, MD, Prof.
GENERAL SURGERY	Onur Yaprak, MD, Assoc. Prof. Altan Alim, MD
FAMILY MEDICINE	Hülya Akan, MD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Filiz Bakar, MD, Prof Güldal İzbırak, MD, Assoc. Prof. Suat Biçer, MD, Assoc. Prof. Ayşe Arzu Akalın, MD, Asst. Prof. Mustafa Berber, MD, Asst., Prof

COMMITTEE VI - URINARY SYSTEM

AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of urinary system,
2. ***to convey*** knowledge on etiopathogenesis of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to urinary system,
3. ***to convey*** knowledge on epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to urinary system,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to urinary system,
5. ***to convey*** knowledge on mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to urinary system
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to urinary system, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, **at the** level of primary health care service,
7. ***to convey*** knowledge on pharmacology of drugs that are effective on urinary system or on clinical conditions involving urinary system,
8. ***to convey*** knowledge on genetics of urinary system,
9. ***to convey*** knowledge on phytotherapeutic agenst that are effective on urinary system or on clinical conditions involving urinary system,
10. ***to convey*** knowledge on use of biostatistical software and presentation of results,
11. ***to convey*** knowledge on legal regulations and ethical principles related to reproductive care,
12. ***to equip with*** basic and advanced clinical skills *(gynecological examination-C6, "Pap-smear" collection-C6, intrauterine device placement-C6, breast examination-C6, physical examination in neonate, infant and prepubertal/pubertal child-C6)* required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1. ***recall*** anatomy, histology and physiology of urinary system,
2. ***explain*** etiopathogenesis of clinical conditions (renal hemodynamics, acid-base equilibrium, renal clinical conditions, urinary system stones, urinary system infections) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to urinary system,
3. ***explain*** epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to cardiovascular and respiratory systems,
4. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to urinary system,
5. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to urinary system,

6. at multi-system level and/or related to urinary system,
   - for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
   - in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
   - for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

6.1. practice of history taking and physical examination (neonatal, prepubertal/pubertal-C6)
6.2. evaluation of emergency case (urological emergencies-C6)
6.3. approach to healthy individual or patient (urethral-vaginal-cervical discharge/swab specimen-C6, fecal specimen collection-C6)
6.4. laboratory tests/examinations (urethral-vaginal-cervical discharge culture-C6, fecal culture-C6)
6.5. imaging tests/examinations (uroradiology-C6, renal scintigraphy (GFR, ERPF, Renogram)-C6)
6.6. point of care testing
6.7. making preliminary diagnosis or definitive diagnosis decision
6.8. making non-intervention or intervention decision
6.9. practicing non-intervention or intervention
6.10. referral/transport of healthy individual or patient

7. ***explain*** pharmacology of drugs that are effective on urinary system or on clinical conditions involving urinary system,
8. ***explain*** pharmacology of androgens and anabolic steroids, and drugs that affect bone mineral homeostasis,
9. ***explain*** genetics of urinary system,
10. ***explain*** mechanisms of action for action for phytotherapeutic agents that are effective on urinary system or in clinical conditions related to urinary system,
11. ***define*** use of biostatistical software and presentation of results,
12. ***perform*** basic clinical skills, practiced on phantom models, and advanced clinical skills, practiced on simulated/standardized patients (gynecological examination-C6, “Pap-smear” collection-C6, intrauterine device placement-C6, breast examination-C6, physical examination in neonate, infant and prepubertal/pubertal child-C6), required at primary health care service.

COMMITTEE VI - URINARY SYSTEM

COMMITTEE ASSESSMENT MATRIX

PHASE III

COURSE: MD 320 INTRODUCTION TO CLINICAL SCIENCES

COURSE COMPONENT: COMMITTEE VI - URINARY SYSTEM

QUESTION DISTRIBUTION TABLE

LEARNING OBJECTIVE	FACULTY DEPARTMENT	LECTURER/INSTRUCTOR	NUMBER OF QUESTIONS (MCQ)			
			CE	FE	IE	Total
1.0., 2.0., 5.0., 6.4.	PT	I D. Ekici	20	4	4	**28**
		A.S. Çöloğlu				
1.0.-6.0.	NE	G. Kantarcı	19	3	3	**25**
1.0.-6.0.		Z. Eren				
1.0.-6.0.	URO	F. Yencilek	12	2	2	**16**
1.0.-6.0.		H . Koyuncu				
1.0.-6.0.		A.T.Özdemir				
11.0.	BS	Ç. Kaspar	7	1	1	**9**
1.0.-6.0.	PED	F. Bakar	5	1	1	**7**
		M. Berber				
7.0., 8.0.	PC	E. Genç	5	1	1	**7**
3.0., 4.0.	PH	H. A. Taşyıkan	4	1	1	**6**
2.0., 5.0.	PP	M. Kaçar	4	1	1	**6**
2.0.-6.0.	IDCM	M. Sönmezoğlu	4	1	1	**6**
2.0.-5.0., 6.4.		İ.Ç.Acuner				
6.5.	RAD	A.Sarsılmaz	2	0	0	**2**
9.0.	MG	A.Ç. Kuşkucu	2	0	0	**2**
1.0.-6.0.	PED-S	S. Sözübir	2	0	0	**2**
1.0.-6.0.	GS	O.Yaprak/A.Alim	2	1	1	**4**
6.3.	FM	H. Akan	2	0	0	**2**
		TOTAL	**90**	**16**	**16**	**122**

LEARNING OBJECTIVE	FACULTY DEPARTMENT	LECTURER/INSTRUCTOR	NUMBER OF QUESTIONS (EMQ)			
			CE	FE	IE	Total
1.0.-6.0.	URO	A.T.Özdemir	1	-	-	**1**
1.0.-6.0.	NE	G. Kantarci	2	-	-	**2**
1.0., 2.0., 5.0., 6.4.	PT	I D. Ekici	2			**2**
		TOTAL	**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 points**

*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.

MCQ: Multiple Choice Question

EMQ: Extending Matching Question

CE: Committee Exam

CS: Committee Score

FE: Final Exam

ICE: Incomplete Exam

pts: Points

****16** out of 200 FE and ICE MCQs will be from Committee VI (Each question is of worth **0.5** pts).

COMMITTEE VI - URINARY SYSTEM

WEEK I / 6-10 Mar 2017

	Monday 6-Mar-2017	Tuesday 7-Mar-2017	Wednesday 8-Mar-2017	Thursday 9-Mar-2017	Friday 10-Mar-2017
09.00- 09.50	**Introductory Session** Introduction to Commitee VI Head of Committee	**Lecture** Urolithiasis-I F. Yencilek	**Lecture** Pathology of Tubulointerstitial Disease I I. D. Ekici	**ICP-CSL** (Clinical breast examination) A.Akalın/ G.İzbırak **ICP-CSL** (Physical examination of the newborn and child patient) F. Bakar/S. Biçer /M.Berber	**Lecture** Physical examination of newborn patient M. Berber
10.00- 10.50	**Lecture** Pathophysiology of Urinary System Diseases I M. Kaçar	**Lecture** Urolithiasis-II F. Yencilek	**Lecture** Pathology of Tubulointerstitial Disease II I. D. Ekici	**Group A** **Group B IL** **Group C1 YH** **Group C2 & D IL**	**Lecture** Physical examination of child patient M. Berber
11.00- 11.50	**Lecture** Pathophysiology of Urinary System Diseases II M. Kaçar	**Lecture** Pathology of Male Genital System I I. D. Ekici	**Lecture** Upper and Lower Urinary Tract Infections I Microbiology Lecturer	**Group C1 IL**	**Lecture** Nephritic and Nephrotic Syndrome F. Bakar E. Romano
12.00- 12.50	**Lecture** Renovascular Pathology A. S. Çöloğlu	**Lecture** Pathology of Male Genital System II I. D. Ekici	**Lecture** Upper and Lower Urinary Tract Infections II M. Sönmezoğlu	**Lecture** Androgens & Anabolic Steroids E. Genç	**Lecture** Agents Effecting Bone Mineral Homeostasis I E. Genç
12.50-14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Renal Cystic Disease A. S. Çöloğlu	**Lecture** The Presentation of the Results I Ç. Kaspar	**Lecture** Clinical study of renal functions and urinary findings Z. Eren	**Lecture** Pathology of Glomerular Diseases I I. D. Ekici	**Lecture** Agents Effecting Bone Mineral Homeostasis II E. Genç
15.00- 15.50	**Lecture** Epidemiology, Prevention and Control of Sexually Transmitted Diseases I H.A. Taşyıkan	**Lecture** The Presentation of the Results II Ç. Kaspar	**Lecture** Tubulointerstitial Diseases Z. Eren	**Lecture** Pathology of Glomerular Diseases II I. D. Ekici	**Lecture** Nephritic Syndrome Z. Eren
16.00- 16.50	**Lecture** Epidemiology, Prevention and Control of Sexually Transmitted Diseases II H.A. Taşyıkan	**Lecture** Imaging of Urinary System A.Sarsılmaz	**Lecture** Approach to the Urinary Tract Infections H. Akan	**Lecture** Pathology of Glomerular Diseases III I. D. Ekici	**Lecture** Nephrotic Syndrome Z.Eren
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE VI - URINARY SYSTEM WEEK II / 13-17 Mar 2017

	Monday 13-Mar-2017	Tuesday 14-Mar-2017	Wednesday 15-Mar-2017	Thursday 16-Mar-2017	Friday 17-Mar-2017
09.00- 09.50	**Lecture** Fluid, Electrolyte I G.Kantarcı	PYHSICIANS'DAY	**Lecture** Acid/Base Balance I Z. Eren	**Lecture** Acute Kidney Injury G.Kantarcı	**Microbiology Laboratory** (Diagnostic tests for urinary specimens) İ.Ç.Acuner / **Group A** / **Group B** / **Group C & D IL**
10.00- 10.50	**Lecture** Fluid, Electrolyte II G.Kantarcı		**Lecture** Acid/Base Balance II Z. Eren	**ICP-CSL** (Clinical breast examination) A.Akalın/G.İzbırak / **Group A IL** / **Group B** / **Group C & D IL**	
11.00- 11.50	**Lecture** Urologic Oncology I A. T. Özdemir		**Lecture** Congenital Anomalies of The Urinary System S. Sözübir	**Group A IL** / **Group B** / **Group C & D IL**	**Microbiology Laboratory** (Diagnostic tests for urinary specimens) İ.Ç.Acuner / **Group A & B IL** / **Group C** / **Group D IL**
12.00- 12.50	**Lecture** Urologic Oncology II A. T. Özdemir		**Lecture** Polygenic Disorders A. Ç. Kuşkucu		**Group C IL** / **Group D**
12.50 -14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Pathology of Bladder I. D. Ekici	PYHSICIANS'DAY	**ICP-CSL** (Physical examination of the newborn and child patient) F. Bakar/S. Biçer /M.Berber / **ICP-CSL** (Clinical breast examination) A.Akalın/ G.İzbırak	**ICP-CSL** (Physical examination of the newborn and child patient) F. Bakar/S. Biçer /M.Berber	**Lecture** Chronic Kidney Disease G. Kantarcı
15.00- 15.50	**Lecture** Pathology of Urinary System Tumors I. D. Ekici		**Group A, B2 IL** / **Group B1 YH** / **Group C IL** / **Group D**	**Group A, B, C & D2 IL** / **Group D1 YH**	**Lecture** The Kidney Systemic Disease and Inherited Disorders G. Kantarcı
16.00- 16.50	**Lecture** Congenital Anomalies of Urinary System I. D. Ekici		**Group B1 IL**	**Group 1 IL**	**Independent Learning**
17.00-17.50	**Independent Learning**		**Independent Learning**	**Independent Learning**	**Independent Learning**

COMMITTEE VI - URINARY SYSTEM WEEK III / 20-24 Mar 2017

	Monday 20-Mar-2017	Tuesday 21-Mar-2017	Wednesday 22-Mar-2017	Thursday 23-Mar-2017	Friday 24-Mar-2017
09.00- 09.50	**Lecture** Benign Prostatic Hyperplasia-I H. Koyuncu	**Pathology Laboratory** (Urinary System) I. D. Ekici/F. Özkan — **Group A IL** / **Group B**	**Lecture** Using Statistical Programs I Ç. Kaspar	**ICP-CSL** (Physical examination of the newborn and child patient) F. Bakar/S. Biçer / M.Berber	**Independent Learning**
10.00- 10.50	**Lecture** Benign Prostatic Hyperplasia-II H. Koyuncu		**Lecture** Using Statistical Programs II Ç. Kaspar	A IL / B2 YH / C IL / D IL	
11.00- 11.50	**Lecture** Urologic Emergencies H. Koyuncu	**Group A** / **Group B IL**	**Multidisciplinary Case Discussion Panel**	**ICP-CSL** (Physical examination of the newborn and child patient) F. Bakar/S. Biçer/M.Berber	
12.00- 12.50	**Lecture** Transplantation of Kidney O. Yaprak/ A. Alim	**Independent Learning**	**Multidisciplinary Case Discussion Panel**	A2 YH / B IL / C IL / D IL	
12.50- 14.00	**LUNCH BREAK**				
14.00- 14.50	**ICP-CSL** (Physical examination of the newborn and child patient) F. Bakar/S.Biçer/ M.Berber — **ICP-CSL** (Clinical breast examination) A.Akalın/ G.İzbırak	**Pathology Laboratory** (Urinary System) I. D. Ekici/F. Özkan — **Group A** / **Group B IL**	**ICP-CSL** (Physical examination of the newborn and child patient) F. Bakar/S. Biçer/M.Berber	**Independent Learning**	**Independent Learning**
15.00- 15.50	**Group A1 YH** / **Group A2 & B IL** — **Group C** / **Group D IL**		**A IL** / **B IL** / **C IL** / **D2 YH**	**Independent Learning**	**Independent Learning**
16.00- 16.50	**Group A1 IL** / **Group A2 & B IL** — **Group C** / **Group D IL**	**Group A IL** / **Group B**	**ICP-CSL** (Physical examination of the newborn and child patient) F.Bakar/S.Biçer/M.Berber	**Independent Learning**	**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**A IL** / **B IL** / **C2 YH** / **D IL**	**Independent Learning**	**Independent Learning**

COMMITTEE VI - URINARY SYSTEM WEEK IV / 27-31 Mar 2017

<table>
<tr><th></th><th>Monday
27-Mar-2017</th><th>Tuesday
28-Mar-2017</th><th>Wednesday
29-Mar-2017</th><th>Thursday
30-Mar-2017</th><th>Friday
31-Mar-2017</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td>Independent Learning</td></tr>
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<tr><td>12.00- 12.50</td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>12.50 – 14.00</td><td colspan="5">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td>Program Evaluation Session
Committee VI
Coordination Committee
Members</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td></tr>
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COMMITTEE VII - NERVOUS SYSTEM AND PYSCHIATRY

DISTRIBUTION of LECTURE HOURS

Nisan 3, 2017 – May 12, 2017

COMMITTEE DURATION: 6 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	NEUROLOGY	NR	13	1x4=4 (2 Groups)			**17**
	PSYCHIATRY	PCH	13				**13**
	CHILD PSYCHIATRY	C-PCH	3				**3**
	NEUROSURGERY	NRS	16	1x2=2 (2 Groups)			**18**
	PATHOLOGY	PT	11		1x2=2 (2 Groups)		**13**
	PATHOPHYSIOLOGY	PP	2				**2**
	PHARMACOLOGY	PC	17				**17**
	PEDIATRICS	PED	4				**4**
	PUBLIC HEALTH	PH	4				**4**
	FAMILY MEDICINE	FM	4				**4**
	RADIOLOGY	RAD	1				**1**
	MEDICAL GENETICS	MG	3				**3**
	INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	IDCM	2				**2**
	OPHTALMOLOGY	OPT	3				**3**
	BIOISTATISTICS	BS	4				**4**
	SCIENTIFIC PROJECTS- III	SP	1				**1**
	INTERDISCIPLINARY	MCDP				2	**2**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			2x3=6 (4 Groups)		**6**
TOTAL			**101**	**6**	**8**	**2**	**117**

Coordination Committee

HEAD	Berrin Aktekin, MD, Prof.
SECRETARY	Burcu Örmeci, MD, Assoc. Prof
MEMBER	Vildan Öztürk, MD, Asst. Prof.
MEMBER	Oğuzhan Zahmacıoğlu, MD, Asst. Prof

COMMITTEE VII - NERVOUS SYSTEM and PSYCHIATRY
LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**LECTURERS**
NEUROLOGY	Berrin Aktekin, MD, Prof. Burcu Örmeci, MD, Assoc. Prof.
PSYCHIATRY	N. Berfu Akbaş, MD, Asst. Prof.
CHILD PSYCHIATRY	Oğuzhan Zahmacıoğlu, MD, Asst. Prof
NEUROSURGERY	M.Gazi Yaşargil, MD, Prof. Uğur Türe, MD, Prof. Başar Atalay, MD, Prof.
PATHOLOGY	Ferda Özkan, MD, Prof Işın Doğan Ekici, MD, Prof. Ahmet Sedat Çöloğlu, DMD, Prof.
PATHOPHYSIOLOGY	Mehtap Kaçar, MD, Assoc. Prof.
PHARMACOLOGY	Ece Genç, PhD, Prof. Ferda Kaleağasıoğlu, MD, Prof.
PEDIATRICS	Mustafa Berber, MD, Asst. Prof.
PUBLIC HEALTH	Recep Erol Sezer, MD, Prof
FAMILY MEDICINE	Güldal İzbırak, MD, Assoc. Prof. Hülya Akan, MD, Assoc. Prof. Ayşe Arzu Akalın, MD, Asst. Prof
RADIOLOGY	Ayşegül Sarsılmaz, MD, Asst.Prof.
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Asst. Prof.
INFECTIOUS DISEASES & CLINICAL MICROBIOLOGY	Meral Sönmezoğlu, MD, Prof. İbrahim Çağatay Acuner, MD, Assoc. Prof.
OPHTALMOLOGY	Vildan Öztürk, MD, Asst. Prof.
BIOSTATISTICS	Çiğdem Kaspar, PhD, Asst. Prof.
SCIENTIFIC PROJECTS- III	Gülderen Yanıkkaya Demirel, MD, Assoc. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Başar Atalay, MD, Prof. Berrin Aktekin, MD, Prof. Güldal İzbırak, MD, Assoc. Prof. Burcu Örmeci, MD, Assoc. Prof. Naz Berfu Akbaş, MD, Asst. Prof Oğuzhan Zahmacıoğlu, MD Asst. Prof Serdar Özdemir, MD, Asst. Prof.

COMMITTEE VII - NERVOUS SYSTEM and PSYCHIATRY

AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of nervous system,
2. ***to convey*** knowledge on etiopathogenesis of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to nervous system and psychiatry,
3. ***to convey*** knowledge on epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to nervous system and psychiatry,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to nervous system and psychiatry,
5. ***to convey*** knowledge on mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to nervous system and psychiatry,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to nervous system and psychiatry, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
7. ***to convey*** necessary knowledge on drugs that are effective on nervous system or on clinical conditions related to nervous system and psychiatry ,
8. ***to convey*** necessary knowledge on professional standards, organizational ethics, and ethics of psychiatry***,***
9. ***to convey*** necessary knowledge on common problems in medical research,
10. ***to convey*** knowledge on phytotherapeutic agents,
11. ***to equip with*** basic and advanced clinical skills *(suturing and tying-C7, neuropsychiatric evaluation-C7)* required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***recall*** anatomy, histology and physiology of nervous system,
2.0. ***define*** biochemical and psychodynamical basis of behavior,
3.0. ***grade*** physical, psychosocial and cognitive development of child,
4.0. ***explain*** etiopathogenesis of clinical conditions (central and peripheral nervous system disorders, epilepsy, organic brain syndromes, CNS tumors, psychiatric disorders/diseases) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to nervous system and psychiatry,
5.0. ***explain*** epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to to nervous system and psychiatry,
6.0. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to nervous system and psychiatry,
7.0. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for

individual or community health, and/or life-threatening or constitute an emergency related to nervous system and psychiatry,

8.0. at multi-system level and/or related to cardiovascular and respiratory systems system,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

8.1. practice of history taking and physical examination (neurological/neuropsychiatric-C7)

8.2. evaluation of emergency case (neurological emergencies-C7)

8.3. approach to healthy individual or patient (neurological symptoms-C7, headache-C7, depression-C7, dementia-C7)

8.4. laboratory tests/examinations

8.5. imaging tests/examinations (conventional neuroradiological examinations-C7, spinal neuroradiology-C7, cranial CT-C7, cranial MRI-C7, brain perfusion scintigraphy-C7, brain PET-C7)

8.6. point of care testing

8.7. making preliminary diagnosis or definitive diagnosis decision

8.8. making non-intervention or intervention decision

8.9. practicing non-intervention or intervention

8.10. referral/transport of healthy individual or patient

9.0. ***explain*** pharmacology of drugs (parkinsonism and other movement disorders, antiepileptics, CNS stimulants and hallusinogenic drugs, sedative/hypnotic drugs, opioid analgesics and antagonists, general/local anesthetics, antipsychotic drugs, bipolar disease and lithium, antidepressant drugs, alcohols, drug dependence and abuse) that are effective on nervous system or on clinical conditions related to nervous system and psychiatry,

10.0.***describe*** professional standards, organizational ethics, and ethics in psychiatry,

11.0.***describe*** phytotherapeutic agents (“HMPs, Nutraceutics”),

12.0. ***list*** common problems in medical research,

13.0. ***perform*** basic clinical skills, practiced on phantom models (suturing and tying-C7), and advanced clinical skills, practiced on simulated/standardized patients (neuropsychiatric evaluation-C7), required at primary health care service.

COMMITTEE VII - NERVOUS SYSTEM and PSYCHIATRY
COMMITTEE ASSESSMENT MATRIX

PHASE III **COURSE:** MD 320 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE VII - NERVOUS SYSTEM and PSYCHIATRY						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS (MCQ)**			
			CE	**FE**	**IE**	**Total**
9.0.	PC	E. Genç	15	5	5	**25**
9.0.		F.Kaleağasıoğlu				
1.0., 4.0.-8.0.	NRS	M.G.Yaşargil	14	5	5	**24**
1.0., 4.0.-8.0.		B. Atalay				
1.0., 4.0.-8.0.		U. Türe				
1.0., 4.0.-8.0.	NR	B. Aktekin	11	4	4	**19**
1.0., 4.0.-8.0.		B. Örmeci				
1.0., 2.0., 4.0.-8.0., 10.0.	PCH	B.Akbas	11	4	4	**19**
1.0., 4.0., 7.0.	PT	F. Özkan	9	3	3	**15**
1.0., 4.0., 7.0.		I.D. Ekici				
1.0., 3.0.-8.0.	PED	M. Berber	4	1	1	**6**
5.0., 6.0.	PH	R.E. Sezer	4	1	1	**6**
8.3.	FM	H. Akan	4	1	1	**6**
8.3.		G. İzbırak				
8.3.		A.Akalın				
12.0.	BS	Ç. Kaspar	4	1	1	**6**
2.0.	MG	A.Ç. Kuşkucu	3	1	1	**5**
2.0.-8.0., 10.0.	C-PCH	O. Zahmacıoglu	3	1	1	**5**
1.0., 4.0.-8.0.	OPT	V. Öztürk	3	1	1	**5**
4.0., 7.0.	PP	M. Kaçar	2	1	1	**4**
4.0.-7.0, 8.4.	IDCM	M. Sönmezoğlu	2	1	1	**4**
4.0.-8.0.		İ.Ç.Acuner				
8.5.	RAD	A.Sarsılmaz	1	1	1	**3**
TOTAL			**90**	**31**	**31**	**152**
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/INSTRUCTOR**	**NUMBER OF QUESTIONS (EMQ)**			
			CE	**FE**	**IE**	**Total**
1.0., 4.0.-8.0.	NR	B. Ormeci	1	-	-	**1**
1.0., 2.0., 4.0.-8.0., 10.0.	PCH	B. Akbaş	1	-	-	**1**
	PC	E. Genç	1			**1**
1.0., 4.0.-8.0.	NRS	B. Atalay	2			**2**
TOTAL			**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 points**
*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.
MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
pts: Points
****31** out of 200 FE and ICE MCQs will be from Committee VII (Each question is of worth 0.5 points).

COMMITTEE VII - NERVOUS SYSTEM AND PYSCHIATRY
WEEK I / 3-7 Apr 2017

	Monday 3-Apr-2017	Tuesday 4-Apr-2017	Wednesday 5-Apr-2017	Thursday 6-Apr-2017	Friday 7-Apr-2017
09.00- 09.50	Introduction to Commitee VII Head of Committee	**Lecture** Pathology of Myelin & Neuronal Storage Diseases I I. D. Ekici	**Lecture** Neurodegenerative Disorders I F. Özkan	**Independent Learning**	**Lecture** Clinical Presentation, Anatomic Concepts and Diagnosis in a Neurosurgical Patient B. Atalay
10.00- 10.50	**Lecture** Signs and Symptoms in Neurology B. Aktekin	**Lecture** Pathology of Myelin & Neuronal Storage Diseases II I. D. Ekici	**Lecture** Neurodegenerative Disorders II F. Özkan		**Lecture** Pediatric Neurosurgery B. Atalay
11.00- 11.50	**Lecture** Cranial Nerves I B. Aktekin	**Lecture** Developmental Disorders of CNS I. D. Ekici	**Lecture** Degenerative Diseases of the Spine and the Spinal Cord I B. Atalay		**Lecture** Hydrocephalus B. Atalay
12.00- 12.50	**Lecture** Cranial Nerves II B. Aktekin	**Lecture** Introduction to Central Nervous System Pharmacology E. Genç	**Lecture** Degenerative Diseases of the Spine and the Spinal Cord II B. Atalay		**Lecture** Pharmacological Approach to Parkinsonism & Other Movement Disorders I E. Genç
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Pathophysiology of Nervous System Diseases I M. Kaçar	**Lecture** Demyelinating Disorders I B. Örmeci	**Lecture** Neurodegenerative Disorders M. Berber	**Lecture** Dementia B. Örmeci	**Lecture** Pharmacological Approach to Parkinsonism & Other Movement Disorders II E. Genç
15.00- 15.50	**Lecture** Pathophysiology of Nervous System Diseases I M. Kaçar	**Lecture** Demyelinating Disorders II B. Örmeci	**Lecture** Cerebral Lobes and their Disorders B. Örmeci	**Lecture** Extrapyramidal System Disorders B. Örmeci	**Lecture** Public Health and Aging I R. E. Sezer
16.00- 16.50	**Lecture** Headache in Primary Care A. Akalın	**Independent Learning**	**Lecture** Cerebrovascular Disease B. Örmeci	**Lecture** Conventional Neuroradiological Examinations A. Sarsılmaz	**Lecture** Public Health and Aging II R. E. Sezer
17.00-17.50	**Independent Learning**		**Independent Learning**	**Independent Learning**	**Independent Learning**

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE VII - NERVOUS SYSTEM AND PYSCHIATRY
WEEK II / 10-14 Apr 2017

	Monday 10-Apr-2017	Tuesday 11-Apr -2017	Wednesday 12-Apr -2017	Thursday 13-Apr -2017	Friday 14-Apr-2017
09.00- 09.50	**Lecture** Peripheral Nerve Disorders B. Aktekin	**Lecture** Headache in Neurologic Patient B. Örmeci	**Neurology Clinical Training** B. Aktekin	**Neurology Clinical Training** B. Örmeci	**Lecture** Cerebral Malformations M. Berber
10.00- 10.50	**Lecture** Epilepsy B. Aktekin	**Lecture** Neurological Emergencies B. Örmeci	**Group A** / **Group B** / **Group C IL** / **Group D IL**	**Group A IL** / **Group B IL** / **Group C** / **Group D**	**Lecture** Mental and Motor Development M. Berber
11.00- 11.50	**Lecture** Cranial Trauma & İntracranial Hemorrhage I A.S. Çöloğlu	**Lecture** Antimigraine Drugs F. Kaleağasıoğlu			**Lecture** Infectious Disease of the Nervous System M. Berber
12.00- 12.50	**Lecture** Cranial Trauma & İntracranial Hemorrhage II A.S. Çöloğlu	**Independent Learning**			**Lecture** Acute and Chronic Meningitis, Encephalitis I Microbiology Lecturer
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Neurosurgical Infections B. Atalay	**Lecture** Surgical Neuroanatomy U. Türe	**Lecture** Antiepileptics E. Genç	**Lecture** Paralytic Strabismus and Nistagmus V. Öztürk	**Lecture** Acute and Chronic Meningitis, Encephalitis II M. Sönmezoğlu
15.00- 15.50	**Lecture** Spinal Cord Compression and Spinal Tumors B. Atalay	**Lecture** Cerebrovascular Diseases in Neurosurgery I U. Türe	**Lecture** Some Common Problems in Medical Research I Ç. Kaspar	**Lecture** Infectious Diseases of CNS I A.S. Çöloğlu	**Lecture** Diseases of Optic Nerves and Visual Fields V. Öztürk
16.00- 16.50	**Lecture** Peripheral Nerve Compression Sydromes B. Atalay	**Lecture** Cerebrovascular Diseases in Neurosurgery II U. Türe	**Lecture** Some Common Problems in Medical Research II Ç. Kaspar	**Lecture** Infectious Diseases of CNS II A.S. Çöloğlu	**Lecture** Pupilla V. Öztürk
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

COMMITTEE VII - NERVOUS SYSTEM AND PYSCHIATRY
WEEK III / 17-21 Apr 2017

	Monday 17-Apr-2017	Tuesday 18-Apr -2017	Wednesday 19-Apr -2017	Thursday 20-Apr -2017	Friday 21-Apr-2017
09.00- 09.50	**Lecture** Tumors of CNS I **I. D. Ekici**	**Lecture** Scientific Projects- III: Writing Project G. Y. Demirel	**Neurosurgery Clinical Trainig** B. Atalay	**Pathology Laboratory** (Nervous System) I. D. Ekici/F. Özkan **Group A IL** / **Group B**	**Neurosurgery Clinical Trainig** B. Atalay
10.00- 10.50	**Lecture** Tumors of CNS II **I. D. Ekici**	**Lecture** Functional Neurosurgery B. Atalay	**Group A** / **Group B** / **Group C IL** / **Group D IL**		**Group A IL** / **Group B IL** / **Group C** / **Group D**
11.00- 11.50	**Lecture** Intracranial tumors II M. Gazi Yaşargil	**Lecture** Spinal Trauma in Neurosurgery B. Atalay	**Lecture** Power analysis and sample size calculation I Ç. Kaspar	**Group A** / **Group B IL**	**Lecture** Organic Brain Syndromes B. Akbaş
12.00- 12.50	**Lecture** Intracranial tumors I M. Gazi Yaşargil	**Lecture** Cranial Trauma in Neurosurgery B. Atalay	**Lecture** Power analysis and sample size calculation II Ç. Kaspar		**Lecture** Drug Addiction & Alcoholism B. Akbaş
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Opioid Analgesics & Antagonists I E. Genç	**Lecture** Opioid Analgesics & Antagonists II E. Genç	**Lecture** Local Anesthetics E. Genç	**Lecture** Developmental Psychopathology: Risk and Protective Factors in Mental Development Psychiatry Lecturer	**Lecture** Drug Dependence & Abuse E. Genç
15.00- 15.50	**Lecture** Culture, Health and Illness R. E Sezer	**Lecture** Introduction to Psychiatry Psychiatry Lecturer	**Lecture** General Anesthetics E. Genç	**Lecture** Neuroscience I Psychiatry Lecturer	**Lecture** The Alcohols E. Genç
16.00- 16.50	**Lecture** Behavioral Determinants of Health and Disease R. E. Sezer	**Lecture** Signs and Symptoms in Psychiatry Psychiatry Lecturer	**Independent Learning Lecture** Genetic Aspects of Psychiatric Disorders A. Ç. Kuşkucu	**Lecture** Neuroscience II Psychiatry Lecturer	**Lecture** Approach to Smoking Patient in Primary Care H. Akan
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

COMMITTEE VII - NERVOUS SYSTEM AND PYSCHIATRY
WEEK IV / 24-28 Apr 2017

	Monday 24-Apr-2017	Tuesday 25-Apr -2017	Wednesday 26-Apr -2017	Thursday 27-Apr -2017	Friday 28-Apr-2017
09.00- 09.50	**Lecture** Schizophrenia and Psychosis I Psychiatry Lecturer	**Lecture** Mood Disorders B. Akbaş	**Lecture** Introduction to Child and Adolescent Psychiatry Oğuzhan Zahmacıoğlu	**ICP-CSL** (Neurological examination & psychiatric examination) N.B.Akbaş/O.Zahmacıoğlu/B.Örmeci	**Lecture** Approach to the Patient with Dementia in Primary Care H. Akan
10.00- 10.50	**Lecture** Schizophrenia and Psychosis II Psychiatry Lecturer	**Lecture** Anxiety Disorders I B. Akbaş	**Lecture** Common Childhood Psychiatric Problems Oğuzhan Zahmacıoğlu	**Group A IL** / **Group B** / **Group C IL** / **Group D IL**	**Lecture** Depression in Primary Care G. İzbırak
11.00- 11.50	**Lecture** Antipsychotic Drugs F. Kaleağasıoğlu	**Lecture** Anxiety Disorders II B. Akbaş	**Lecture** Mental Development in Childhood and Adolescence Oğuzhan Zahmacıoğlu		**Lecture** Sedative / Hypnotic Drugs I E. Genç
12.00- 12.50	**Lecture** Bipolar Disease & Lithium F. Kaleağasıoğlu	**Lecture** Antidepressant Drugs E. Genç	**Lecture** CNS stimulants and Hallusinogenic Drugs E. Genç	**Independent Learning**	**Lecture** Sedative / Hypnotic Drugs II E. Genç
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Pathology Laboratory** (Nervous System) I. D. Ekici/F. Özkan / **Group A IL** / **Group B**	**Lecture** Genetic Etiology of Mental Retardation I A. Ç. Kuşkucu	**ICP-CSL** (Neurological examination & psychiatric examination) N.B.Akbaş/O.Zahmacıoğlu/B.Örmeci	**ICP-CSL** (General Physical Examination) G. İzbırak/S.Özdemir	**Multidisciplinary Case Discussion Panel**
15.00- 15.50	**Group A** / **Group B IL**	**Lecture** Genetic Etiology of Mental Retardation II A. Ç. Kuşkucu	**Group A** / **Group B IL** / **Group C IL** / **Group D IL**	**Group A IL** / **Group B** / **Group C IL** / **Group D IL**	**Multidisciplinary Case Discussion Panel**
16.00- 16.50		**Lecture** General Physical Exam G.İzbırak			**Independent Learning**
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	

COMMITTEE VII - NERVOUS SYSTEM AND PYSCHIATRY
WEEK V / 1-5 May 2017

<table>
<tr><th></th><th>Monday
1-May-2017</th><th>Tuesday
2-May-2017</th><th>Wednesday
3-May-2017</th><th>Thursday
4-May-2017</th><th>Friday
5-May-2017</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">LABOUR'S DAY
SPRING FEST</td><td colspan="4">ICP-CSL
(Neurological examination & psychiatric examination)
N.B.Akbaş/
O.Zahmacıoğlu/B.Örmeci/</td><td colspan="4">ICP-CSL
(Neurological examination & psychiatric examination)
N.B.Akbaş/
O.Zahmacıoğlu/B.Örmeci/</td><td colspan="4">ICP-CSL
(General Physical Examination)
G. İzbırak/S.Özdemir</td><td rowspan="3">Independent Learning
SPRING FEST</td></tr>
<tr><td>10.00- 10.50</td><td>Group A IL</td><td>Group B IL</td><td>Group C</td><td>Group D IL</td><td>Group A IL</td><td>Group B IL</td><td>Group C IL</td><td>Group D</td><td>Group A</td><td>Group B IL</td><td>Group C IL</td><td>Group D IL</td></tr>
<tr><td>11.00- 11.50</td><td colspan="4">Independent Learning
SPRING FEST</td></tr>
<tr><td>12.00- 12.50</td><td colspan="6">LUNCH BREAK</td></tr>
<tr><td>12.50 – 14.00</td><td rowspan="4">LABOUR'S DAY
SPRING FEST</td><td colspan="4">ICP-CSL
(General Physical Examination)
G. İzbırak/S.Özdemir</td><td colspan="4">ICP-CSL
(General Physical Examination)
G. İzbırak/S.Özdemir</td><td colspan="4" rowspan="4">Independent Learning
SPRING FEST</td><td rowspan="4">Independent Learning
SPRING FEST</td></tr>
<tr><td>14.00- 14.50</td><td>Group A IL</td><td>Group B IL</td><td>Group C</td><td>Group D IL</td><td>Group A IL</td><td>Group B IL</td><td>Group C IL</td><td>Group D</td></tr>
<tr><td>15.00- 15.50</td><td colspan="4" rowspan="2">Independent Learning
SPRING FEST</td><td colspan="4" rowspan="2">Independent Learning
SPRING FEST</td></tr>
<tr><td>16.00- 16.50</td></tr>
<tr><td>17.00-17.50</td><td colspan="4">Independent Learning
SPRING FEST</td><td colspan="4">Independent Learning
SPRING FEST</td></tr>
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COMMITTEE VII - NERVOUS SYSTEM AND PYSCHIATRY
WEEK VI / 8-12 May 2017

<table>
<tr><th></th><th>Monday
08-May-2017</th><th>Tuesday
09-May-2017</th><th>Wednesday
10-May-2017</th><th>Thursday
11-May-2017</th><th>Friday
12-May-2017</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td rowspan="3">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">COMMITTEE EXAM</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td><td></td><td></td><td></td><td></td><td></td></tr>
<tr><td>12.50 – 14.00</td><td colspan="5">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="2">3rd Coordination Committee Meeting</td><td rowspan="4">Independent Learning</td><td>Program Evaluation Session
Committee VII
Coordination Committee
Members</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td><td rowspan="2">Independent Learning</td></tr>
<tr><td>17.00-17.50</td><td></td></tr>
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COMMITTEE VIII - MUSCULOSKELETAL SYSTEM

DISTRIBUTION of LECTURE HOURS

May 15, 2017 – June 9, 2017

COMMITTEE DURATION: 4 WEEKS

MED 302	INTRODUCTION TO CLINICAL SCIENCES	ABBR.	THEO.	PRAC.	LAB/CSL	DISCUSSION	TOTAL
DISCIPLINE	ORTHOPAEDICS & TRAUMATOLOGY	ORT	22				**22**
	PHYSICAL THERAPY & REHABILITATION	PTR	4				**4**
	RHEUMATOLOGY	RHE	8				**8**
	PATHOLOGY	PT	11		1x2=2 (4 Groups)		**13**
	PATHOPHYSIOLOGY	PP	2				**2**
	PHARMACOLOGY	PC	5				**5**
	PUBLIC HEALTH	PH	4				**4**
	FAMILY MEDICINE	FM	2				**2**
	MEDICAL GENETICS	MG	2				**2**
	RADIOLOGY	RAD	1				**1**
	BIOMEDICAL ETHICS & DEONTOLOGY	BED	2				**2**
	EMERGENCY MEDICINE	EM	1				**1**
	BIOSTATISTICS	BS	4				**4**
	INTERDISCIPLINARY	MCDP				2	**2**
MED 303	**INTRODUCTION TO CLINICAL PRACTICE III**	ICP III			1x3=3 (4 Groups)		**3**
TOTAL			**68**	**0**	**5**	**2**	**75**

Coordination Committee

HEAD	Uğur Şaylı, MD, Prof.
SECRETARY	Müge Bıçakçıgil, MD, Assoc. Prof
MEMBER	Melih Güven, MD, Assoc. Prof
MEMBER	Ece Aydoğ, MD, Prof.

COMMITTEE VIII - MUSCULOSKELETAL SYSTEM

LECTURERS

MED 302 INTRODUCTION TO CLINICAL SCIENCES	
DISCIPLINE	**FACULTY**
ORTHOPAEDICS & TRAUMATOLOGY	Faik Altıntaş, MD, Prof. Uğur Şaylı, MD, Prof. Turhan Özler, MD, Assoc Prof. Melih Güven, MD, Assoc.Prof. Çağatay Uluçay, MD, Assoc. Prof. Budak Akman, MD
PHYSICAL THERAPY & REHABILITATION	Ece Aydoğ, MD, Prof.
RHEUMATOLOGY	Müge Bıçakçıgil, MD, Assoc. Prof
PATHOLOGY	Ferda Özkan, MD, Prof Işın Doğan Ekici, MD, Prof. Ahmet Sedat Çöloğlu, DMD, Prof.
PATHOPHYSIOLOGY	Mehtap Kaçar, MD, Assoc. Prof.
PHARMACOLOGY	Ece Genç, PhD, Prof. Ferda Kaleağasıoğlu, MD, Prof.
PUBLIC HEALTH	Recep Erol Sezer, MD, Prof Hale Arık Taşyıkan, MD, Asst. Prof
FAMILY MEDICINE	Özlem Tanrıöver, MD, Assoc. Prof Hülya Akan, MD, Assoc. Prof.
MEDICAL GENETICS	Ayşegül Çınar Kuşkucu, MD, Asst. Prof.
RADIOLOGY	Neslihan Taşdelen, MD, Assoc. Prof.
BIOMEDICAL ETHICS & DEONTOLOGY	Elif Vatanoğlu, MD, Assoc. Prof.
EMERGENCY MEDICINE	Sezgin Sarıkaya, MD, Assoc.Prof
BIOSTATISTICS	Çiğdem Kaspar, PhD, Asst. Prof.

MED 303 INTRODUCTION TO CLINICAL PRACTICE III	
DISCIPLINE	**LECTURERS**
CLINICAL SKILLS LAB	Çağatay Uluçay, MD, Assoc. Prof.Turhan Özler, MD, Assoc. Prof. Serdar Özdemir, MD, Asst. Prof Budak Akman, MD

COMMITTEE VIII - MUSCULOSKELETAL SYSTEM

AIMS and LEARNING OBJECTIVES

AIMS

In evidence based manner,

1. ***to remind*** knowledge on anatomy, histology and physiology of musculoskeletal system,
2. ***to convey*** knowledge on etiopathogenesis of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to musculoskeletal system,
3. ***to convey*** knowledge on epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to musculoskeletal system,
4. ***to convey*** necessary knowledge on prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to musculoskeletal system,
5. ***to convey*** knowledge on mechanims of occurence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to musculoskeletal system,
6. ***to convey*** necessary knowledge together with performance measures on health care processes, clinical decision making process, clinical decisions and clinical practices required for managing clinical conditions related to musculoskeletal system, which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency, at the level of primary health care service,
7. ***to convey*** necessary knowledge on pharmacology of drugs that are effective on musculoskeletal system or on clinical conditions related to musculoskeletal system,
8. ***to convey*** necessary knowledge on ethics in biomedical research,
9. ***to convey*** necessary knowledge on clinical research methods and searching medical literature,
10. ***to convey*** necessary knowledge on phytotherapeutic agents,
11. ***to equip with*** basic and advanced clinical skills (peripheral venous catheter insertion-C8, physical examination of musculoskeletal system-C8) required at primary health care service level.

LEARNING OBJECTIVES

At the end of this committee, student should be able to:

1.0. ***recall*** anatomy, histology and physiology of musculoskeletal system,

2.0. ***explain*** etiopathogenesis of clinical conditions (congenital, traumatic, metabolic, degenerative, onocological conditions of bone, rheumotological disorders, disaeses/disorders of connective tissue, vascular diseases, pathological posture, pain) which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to musculoskeletal system,

3.0. ***explain*** epidemiology of clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency related to musculoskeletal system,

4.0. ***explain*** prevention of clinical conditions, and protection or improvement of health against those clinical conditions related to musculoskeletal system,

5.0. ***describe*** mechanisms of occurrence for frequently encountered clinical complaints, symptoms, signs and findings in clinical conditions which are frequent in community and/or pose high risk for

individual or community health, and/or life-threatening or constitute an emergency related to musculoskeletal system,

6.0. at multi-system level and/or related to cardiovascular and respiratory systems system,

- for healthy conditions in an individual or community with a request against clinical conditions that pose risks,
- in an individual with clinical complaint, symptom, sign or laboratory/imaging finding or in a community,
- for clinical conditions which are frequent in community and/or pose high risk for individual or community health, and/or life-threatening or constitute an emergency,

explain in an evidence-based manner and together with performance measures from the aspects of reliability, practicality and outcomes,

- health care processes, clinical decision making process, clinical decisions and clinical practices

which are required for management at primary health care service level:

6.1. practice of history taking and physical examination (musculoskeletal-C8)
6.2. evaluation of emergency case (trauma-C8)
6.3. approach to healthy individual or patient (musculoskeletal dysfunction-C8)
6.4. laboratory tests/examinations (monitarization of drug therapy-C8)
6.5. imaging tests/examinations (radiological imaging of musculoskeletal system-C8, radiological examinations in benign ve malign tumors of bones-C8, bone scintigraphy-C8)
6.6. point of care testing
6.7. making preliminary diagnosis or definitive diagnosis decision
6.8. making non-intervention or intervention decision
6.9. practicing non-intervention or intervention
6.10. referral/transport of healthy individual or patient

7.0. ***explain*** pharmacology of drugs (non-opioid analgesics, skeletal muscle relaxants, disease modifying antirheumatic drugs) that are effective on musculoskeletal system or on clinical conditions related to musculoskeletal system,

8.0. ***explain*** effects of phytotherapeutic agents on musculoskeletal system or on clinical conditions related to musculoskeletal system,

9.0. ***list*** ethical principles in biomedical research,

10.0.***explain*** use of biostatistics in clinical research and for evidence search in medical literature,

11.0. ***perform*** basic clinical skills, practiced on phantom models (peripheral venous catheter insertion-C8), and advanced clinical skills, practiced on simulated/standardized patients (physical examination of musculoskeletal system-C8), required at primary health care service.

COMMITTEE VIII - MUSCULOSKELETAL SYSTEM

COMMITTEE ASSESSMENT MATRIX

COURSE: MD 320 INTRODUCTION TO CLINICAL SCIENCES **COURSE COMPONENT:** COMMITTEE VIII - MUSCULOSKELETAL SYSTEM						
QUESTION DISTRIBUTION TABLE						
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/ INSTRUCTOR**	**NUMBER OF QUESTIONS**			
			(MCQ)			
			CE	**FE**	**IE**	**Total**
1.0.-6.0.	ORT	F. Altıntaş	28	7	7	**42**
1.0.-6.0.		T. Özler				
1.0.-6.0.		Ç. Uluçay				
1.0.-6.0.		M. Güven				
1.0., 2.0., 5.0.	PT	F. Özkan	15	3	3	**21**
		I.D.Ekici				
		A.S. Çöloğlu				
1.0.-6.0.	RHE	M. Bıçakçıgil	11	2	2	**15**
7.0.	PC	E. Genç	7	2	2	**11**
7.0.		F.Kaleağasıoğlu				
3.0., 4.0.	PH	R.E. Sezer	5	1	1	**7**
3.0., 4.0.		H.A.Taşyıkan				
1.0.-6.0.	PTR	E. Aydoğ	5	1	1	**7**
10.0.	BS	Ç. Kaspar	5	1	1	**7**
1.0., 2.0., 5.0.	PP	M. Kaçar	3	1	1	**5**
2.0.	MG	A.Ç.Kuşkucu	3	1	1	**5**
6.3.	FM	H. Akan	3	1	1	**5**
6.3.		Ö. Tanrıöver				
9.0.	BED	E. Vatanoğlu	3	1	1	**5**
6.2.	EM	S.Sarıkaya	1	1	1	**3**
6.5.	RAD	N.Taşdelen	1	0	0	**1**
TOTAL			**90**	**22**	**22**	**134**
LEARNING OBJECTIVE	**FACULTY DEPARTMENT**	**LECTURER/INSTRUCTOR**	**NUMBER OF QUESTIONS**			
			(EMQ)			
			CE	**FE**	**IE**	**Total**
1.0.-6.0.	RHE	M. Bıçakçıgil	1	-	-	1
1.0.-6.0.	ORT	M.Güven	2	-	-	2
1.0.-6.0.	PTR	E. Aydoğ	2			2
TOTAL			**5**	**-**	**-**	**5**

CS*= 90 pts (MCQ) **+ 10 pts** (EMQ) **= 100 points**
*Each MCQ has a value of **1** points; each EMQ question has a value of **2** points.
MCQ: Multiple Choice Question
EMQ: Extending Matching Question
CE: Committee Exam
CS: Committee Score
FE: Final Exam
ICE: Incomplete Exam
pts: Points
****22** out of 200 FE and ICE MCQs will be from Committee VIII (Each question is of worth **0.5** pts).

COMMITTEE VIII - MUSCULOSKELETAL SYSTEM
WEEK I / 15-19 May 2017

	Monday 15-May-2017	Tuesday 16-May-2017	Wednesday 17-May-2017	Thursday 18-May-2017	Friday 19-May-2017
09.00- 09.50	Introduction to Commitee VIII Head of Committee	**Lecture** Public Health and Physical Activity I R. E. Sezer	**Lecture** Spondylarthropaties M. Bıçakçıgil	**ICP-CSL** (Physical examination of the musculoskeletal system) T. Özler/B.Akman	**NATIONAL HOLIDAY**
10.00- 10.50	**Lecture** Introduction to Musculoskeletal System F. Altıntaş	**Lecture** Public Health and Physical Activity II R. E. Sezer	**Lecture** Inflammatory Polyarthritis & Rheumatoid Arthritis M. Bıçakçıgil	**Group A** / **Group B IL** / **Group C IL** / **Group D IL**	
11.00- 11.50	**Lecture** Degenerative Osteoarthrosis F. Altıntaş	**Lecture** Epidemiology, Prevention and Control of Occupational Diseases and Injuries I H.A. Taşyıkan	**Lecture** Osteoporosis and Osteoarthritis Treatment, Rehabilitation E. Aydoğ		
12.00- 12.50	**Lecture** Pathophysiology of Musculoskeletal System Disorders I M. Kaçar	**Lecture** Epidemiology, Prevention and Control of Occupational Diseases and Injuries II H.A. Taşyıkan	**Lecture** Soft Tissue Pain E. Aydoğ	**Independent learning**	
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Pathophysiology of Musculoskeletal System Disorders II M. Kaçar	**Lecture** Degenerative Joint Disease F. Özkan	**Lecture** The Ethics of Testing and Screening III E. Vatanoğlu	**Lecture** Bone and Joint İnfections A.S. Çöloğlu	**NATIONAL HOLIDAY**
15.00- 15.50	**Lecture** Congenital & Metabolic Diseases of Bone I A.S. Çöloğlu	**Lecture** Tumors of Soft Tissues I F. Özkan	**Lecture** The Ethics of Testing and Screening IV E. Vatanoğlu	**Lecture** Myopathies A.S. Çöloğlu	
16.00- 16.50	**Lecture** Congenital & Metabolic Diseases of Bone II A.S. Çöloğlu	**Lecture** Tumors of Soft Tissues II F. Özkan	**Lecture** Fibromyalgia in Primary Care H. Akan	**Lecture** Imaging of Musculoskeletal System N. Taşdelen	
17.00-17.50	**Independent learning**	**Independent Learning**	**Independent learning**	**Independent Learning**	

IL: Independent Learning, CSL: Clinical Skills Learning, YH: Yeditepe University Hospital. Student groups for laboratory/practice sessions will be announced by coordinators.

COMMITTEE VIII - MUSCULOSKELETAL SYSTEM
WEEK II / 22-26 May 2017

	Monday 22-May-2017	Tuesday 23-May-2017	Wednesday 24-May-2017	Thursday 25-May-2017	Friday 26-May-2017
09.00- 09.50	**Lecture** Osteomyelitis and Septic Artritis B. Akman	**Lecture** Miscellanous Rheumatological Disorders I M. Bıçakçıgil	**Lecture** Vasculitis I F. Özkan	**Independent Learning**	**Lecture** Connective Tissue Disorders I M. Bıçakçıgil
10.00- 10.50	**Lecture** Neuromuscular Disease B.Akman	**Lecture** Miscellanous Rheumatological Disorders II M. Bıçakçıgil	**Lecture** Vasculitis II F. Özkan		**Lecture** Connective Tissue Disorders II M. Bıçakçıgil
11.00- 11.50	**Lecture** Neck, Shoulder and Wrist Pain E. Aydoğ	**Lecture** Bone tumors I A.S. Çöloğlu	**Lecture** Vasculitis I M. Bıçakçıgil		**Lecture** Trauma T. Özler
12.00- 12.50	**Lecture** Low Back, Hip and Ankle Pain E. Aydoğ	**Lecture** Bone tumors II A.S. Çöloğlu	**Lecture** Vasculitis II M. Bıçakçıgil		**Lecture** Upper Extremity Trauma T. Özler
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Disease Modifying Antirheumatic Drugs F. Kaleağasıoğlu	**Lecture** Medical Literature I Ç. Kaspar	**Lecture** Nonsteroidal Antiinflammatory Drugs I E. Genç	**Independent Learning**	**Lecture** Skeletal Muscle Relaxants E. Genç
15.00- 15.50	**Lecture** Pharmacology Case Studies F. Kaleağasıoğlu	**Lecture** Medical Literature II Ç. Kaspar	**Lecture** Nonsteroidal Antiinflammatory Drugs II E. Genç	**Independent Learning**	**Lecture** Approach to the Patient with Backpain in Primary Care Ö. Tanrıöver
16.00- 16.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**
17.00-17.50				**Independent Learning**	**Independent Learning**

COMMITTEE VIII - MUSCULOSKELETAL SYSTEM
WEEK III / 29 May-02 June 2017

	Monday 29-May-2017	Tuesday 30-May-2017	Wednesday 31-May-2017	Thursday 01.Jun-2017	Friday 02.Jun-2017
09.00- 09.50	**Lecture** Foot Deformities U. Şaylı	**Lecture** Lower Extremity Trauma Ç. Uluçay	**Pathology Laboratory** (Musculoskeletal System) I. D. Ekici/F. Özkan Group A Group B IL	**ICP-CSL** (Physical examination of the musculoskeletal system) T. Özler/B.Akman	**Lecture** Benign Tumors of Bone M. Güven
10.00- 10.50	**Lecture** Principles of Fracture Healing U. Şaylı	**Lecture** Traumatic Dislocations Ç. Uluçay	Group A IL Group B	**Group A IL** / **Group B** / **Group C IL** / **Group D IL**	**Lecture** Malignant Tumors of Bone M. Güven
11.00- 11.50	**Lecture** Sport Injuries I T. Özler	**Lecture** Spinal Deformities Ç. Uluçay	**Lecture** Upper Extremity Disorders Ç. Uluçay		**Multidisciplinary Case Discussion Panel**
12.00- 12.50	**Lecture** Sport Injuries II T. Özler	**Lecture** Skeletal Dysplasias A. Ç. Kuşkucu	**Lecture** Lower Extremity Disorders Ç. Uluçay	**Independent Learning**	**Multidisciplinary Case Discussion Panel**
12.50 – 14.00	**LUNCH BREAK**				
14.00- 14.50	**Lecture** Clinical Trials II Ç. Kaspar	**Lecture** Muscular Dystrophies A. Ç.Kuşkucu	**Lecture** Fractures of Children M. Güven	**ICP-CSL** (Physical examination of the musculoskeletal system) T. Özler/B.Akman	**ICP-CSL** (Physical examination of the musculoskeletal system) T. Özler/B.Akman
15.00- 15.50	**Lecture** Clinical Trials I Ç. Kaspar	**Lecture** Osteoporosis B.Akman	**Lecture** Developmental Disorders of the Skeleton M. Güven	**Group A IL** / **Group B IL** / **Group C** / **Group D IL**	**Group A IL** / **Group B IL** / **Group C IL** / **Group D**
16.00- 16.50	**Lecture** Initial Approach to Trauma Patient S. Sarıkaya	**Lecture** Microsurgery and Replantation B.Akman	**Lecture** Congenital Dislocation of the Hip M. Güven		
17.00-17.50	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**	**Independent Learning**

COMMITTEE VIII - MUSCULOSKELETAL SYSTEM
WEEK IV / 05-09 June 2017

<table>
<tr><th></th><th>Monday
05-Jun-2017</th><th>Tuesday
06-Jun-2017</th><th>Wednesday
07-Jun-2017</th><th>Thursday
08-Jun -2017</th><th>Friday
09-Jun -2017</th></tr>
<tr><td>09.00- 09.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td>Independent Learning</td></tr>
<tr><td>10.00- 10.50</td><td rowspan="3">COMMITTEE EXAM</td></tr>
<tr><td>11.00- 11.50</td></tr>
<tr><td>12.00- 12.50</td></tr>
<tr><td>12.50 – 14.00</td><td colspan="5">LUNCH BREAK</td></tr>
<tr><td>14.00- 14.50</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td rowspan="4">Independent Learning</td><td>Program Evaluation Session
Committee VIII
Coordination Committee
Members</td></tr>
<tr><td>15.00- 15.50</td><td rowspan="3">Independent Learning</td></tr>
<tr><td>16.00- 16.50</td></tr>
<tr><td>17.00-17.50</td></tr>
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STUDENT COUNSELING

Student counseling is a structured development process established between the student and the consultant that aims to maximize student success by focusing the student to her/his target. Although the major component of this relationship is the student, the faculties also take part by bringing the requirements of this interaction to their systems. The targeted outcomes of the consultant-student interaction are success in the exams, success in the program, and preparation for the professional life.
The aim of counseling is to help students to solve their problems, to give professional guidance, to provide coaching, to contribute to adopting the habit of lifelong learning, to provide information about the University and Faculty, to follow their success and failure and to help them select courses.
The consultants selected among Basic Medical Sciences instructors for the first three years transfer the students to Clinical Sciences instructors for the following three years.

The topics that will be addressed by the consultants are as follows:

a. Inform students about the university, faculty and surrounding facilities
b. Inform students about the courses and help them select courses
c. Inform students about the education and assessment regulations
d. Follow students attendance to lectures and success
e. In case of failure, investigate the causes and cooperate with the students to overcome them
f. Help students in career planning
g. Contribute to students adapting the habit of lifelong learning
h. Guide students to counseling services of the university
i. Set a role model as long as the professional susceptibility, professional guidance, intellectual responsibility, interaction with peers, ethics, professional values are concerned
j. Contribute to cultivation of professional and intellectual development in a rapidly changing world
k. Inform the coordinator when there are unsolved problems of the students

Consultant-student relationship is a dynamic and mutual process carried out within the campus and the hospital. It is recommended that the consultant and the student meet at least twice during a semester.

The expectations from the student are as follows:

a) Contribute to improvement of satisfaction level in the problem areas
b) Report the social and economic conditions that require consultant's help
c) Specify expectations from the education and the department from which this training is taken
d) Give feedback on the counseling services regarding their satisfaction level

Student counsellors will be appointed after finalization of the class list and will be announced to the students.
After the announcement of the counsellors on the information board, each student is expected to contact his/her counsellor until the end of the current committee.

LIST OF STUDENT COUNSELING - PHASE III

	NO	AD	SOYAD	EĞİTİM DANIŞMANI
1	20140800075	DİLARA UMUT	ALTUN	DOÇ. DR. ÜNAL USLU
2	20130800010	HİLMİ	ALPTEKİN	DOÇ. DR. ÜNAL USLU
3	20140800096	LADEN	ALTAY	DOÇ. DR. ÜNAL USLU
4	20150800107	MUHARREM BERKER	ALTINTAŞ	PROF DR. GÜLDEN ÇELİK
5	20130800009	ALEV	ARSLAN	DOÇ. DR. ÜNAL USLU
6	20130800033	ÇAĞDAŞ	ATAOĞLU	YRD. DOÇ. DR. DENİZ KIRAÇ
7	20140800022	İLKE ESİN	AYDINER	YRD. DOÇ. DR. DENİZ KIRAÇ
8	20140800023	MUSTAFA CANER	AYDİN	YRD. DOÇ. DR. DENİZ KIRAÇ
9	20140800017	İPEK	AYRİ	YRD. DOÇ. DR. ÇİĞDEM KASPAR
10	20140800083	BUENA	AZIRI	YRD. DOÇ. DR. ÇİĞDEM KASPAR
11	20140800015	BERİL	BALAK	YRD. DOÇ. DR. ÇİĞDEM KASPAR
12	20140800018	ECE	BATUR	YRD. DOÇ. DR. ÇİĞDEM KASPAR
13	20140800073	NİYAZİ GÖRKEM	BEKTAŞ	DOÇ. DR. MEHTAP KAÇAR
14	20140800068	İREM	BOLLUK	YRD. DOÇ. DR. AYLİN YABA UÇAR
15	20130800074	YILDIRIM HAN	BOZAL	YRD. DOÇ. DR. AYLİN YABA UÇAR
16	20140800088	BASSEL	BSAT	YRD. DOÇ. DR. AYLİN YABA UÇAR
17	20140800014	HATİCE ZEYNEP	CEYLAN	PROF. DR. TURGAY İSBİR
18	20130800079	VOLKAN	CİVELEK	PROF. DR. TURGAY İSBİR
19	20130800059	YUNUS EMRE	ÇADIRCI	PROF. DR. TURGAY İSBİR
20	20130800084	BORA	ÇAĞAN	DOÇ. DR. MEHTAP KAÇAR
21	20140800020	EGEMEN KAAN	ÇAKAR	DOÇ. DR. ELİF VATANOĞLU
22	20130800045	SEÇKİN	ÇELİK	PROF. DR. TURGAY İSBİR
23	20140800070	ECE MELİS	ÇETİNKAYA	DOÇ. DR. ELİF VATANOĞLU
24	20140800009	GÖKTUĞ	ÇETİNYOL	DOÇ. DR. ELİF VATANOĞLU
25	20130800069	BÜŞRA NUR	ÇOŞAN	DOÇ. DR. ELİF VATANOĞLU
26	20130800001	SERKAN	DEKTAŞ	YRD. DOÇ. DR. HALE ARIK
27	20140800102	BATUHAN BERK	DEMİR	YRD. DOÇ. DR. AYLİN YABA UÇAR
28	20140800069	UMAY	DİLEK	PROF. DR. FERDA KALEAĞASIOĞLU
29	20130800006	HASAN	DÖNER	DOÇ. DR. ÇAĞATAY ACUNER
30	20140800081	EZGİ	DUMAN	DOÇ. DR. ÇAĞATAY ACUNER
31	20130800097	SENA	EKİZ	DOÇ. DR. ÇAĞATAY ACUNER
32	20130800020	MELİKE SABA	ERDİNÇ	DOÇ. DR. ELİF VATANOĞLU
33	20120800088	DAMLA	ERDOĞAN	DOÇ. DR. ELİF VATANOĞLU
34	20130800075	MURAT	ERDOĞAN	YRD. DOÇ. DR. ALEV CUMBUL
35	20140800077	MERYEM BEYZA	ERKAN	YRD. DOÇ. DR. ALEV CUMBUL
36	20140800027	MERCAN	EZELSOY	DOÇ. DR. ÖZLEM TANRIÖVER
37	20140800053	GÖRKEM	FEYZULLAHOĞLU	DOÇ. DR. ÖZLEM TANRIÖVER
38	20140800074	BAŞAK	GÜNAY	DOÇ. DR. HÜLYA AKAN
39	20140800084	LORINA	HAZIRI	DOÇ. DR. HÜLYA AKAN
40	20130800008	ZELİHA NUR	IRMAK	PROF. DR. İNCİ ÖZDEN
41	20140800019	AYLİN	İKİS	PROF. DR. İNCİ ÖZDEN
42	20140800041	ÖMER SERTAÇ	İLASLAN	PROF. DR. İNCİ ÖZDEN
43	20140800039	AYSU	KAÇAR	DOÇ. DR. JALE ÇOBAN
44	20140800045	OSMAN KAMİL	KAMİLOĞLU	YRD. DOÇ. DR. ARZU AKALIN
45	20130800068	SİDAR	KARABULUT	DOÇ. DR. JALE ÇOBAN
46	20130800048	SILA	KARAKUŞ	DOÇ. DR. JALE ÇOBAN
47	20120800045	İREM BUSE	KARAKUM	DOÇ. DR. ÖZLEM TANRIÖVER
48	20140800058	BURAKSU	KARSLI	YRD. DOÇ. DR. ARZU AKALIN
49	20140800034	MELİH KAĞAN	KAVCIOĞLU	YRD. DOÇ. DR. ARZU AKALIN
50	20130800076	EREN	KAVUKÇU	PROF. DR. ECE GENÇ
51	20120800023	KORAY	KAYA	PROF. DR. ECE GENÇ
52	20140800013	ALİ	KESER	PROF. DR. ECE GENÇ
53	20130800054	BENGİSU	KESKİN	YRD. DOÇ. DR. AYŞEGÜL KUŞKUCU
54	20130800004	KEVSER	KİŞİFLİ	YRD. DOÇ. DR. AYŞEGÜL KUŞKUCU
55	20130800028	DENİZ	KOCA	YRD. DOÇ. DR. AYŞEGÜL KUŞKUCU
56	20140800004	KIVANÇ	KORKMAZ	PROF. DR. FERDA ÖZKAN
57	20130800012	ATA	KÖKEN	PROF. DR. FERDA ÖZKAN
58	20140800076	ECE	KUDUBAN	PROF. DR. FERDA ÖZKAN
59	20130800043	GÖZDE	KURAN	PROF. DR. FERDA ÖZKAN
60	20130800007	DİLGE	KÜÇÜKCAN	DOÇ. DR. IŞIN DOĞAN EKİCİ
61	20130800088	JOSEPF FURKAN	KÜÇÜKTAŞ	DOÇ. DR. JALE ÇOBAN
62	20130800078	SENA	LOĞOĞLU	DOÇ. DR. IŞIN DOĞAN EKİCİ
63	20130800046	ÖNCEL	MEYSA	DOÇ. DR. IŞIN DOĞAN EKİCİ
64	20140800082	EDA	OLCAYTUĞ	DOÇ. DR. GÜLDEREN YANIKKAYA DEMİREL
65	20140800072	ECEM	OLTULU	YRD. DOÇ. DR. SONER DOĞAN
66	20130800035	DENİZ CAN	ÖNEN	PROF. DR. RECEP EROL SEZER
67	20140800071	YAĞIZ	ÖZDAĞ	PROF. DR. RECEP EROL SEZER

68	20140800038	FEHMİ GİRAY	ÖZGÜN	PROF. DR. RECEP EROL SEZER
69	20120800005	OĞUZ GÖKBERK	ÖZHAN	PROF. DR. ECE GENÇ
70	20130800005	SELMA NUR	ÖZKİRAZ	PROF. DR. RECEP EROL SEZER
71	20130800070	DUHA YAREN	ÖZTÜRK	YRD.DOÇ.DR. SERDAR ÖZDEMİR
72	20140800001	ALİ EMRE	ÖZTÜRK	YRD.DOÇ.DR. SERDAR ÖZDEMİR
73	20130800050	ATİLA BERKE	ÖZÜS	YRD.DOÇ.DR. SERDAR ÖZDEMİR
74	20140800046	NAZ	PAYTONCU	YRD.DOÇ.DR. SERDAR ÖZDEMİR
75	20140800063	HÜMA ARDA	PEDİRİK	DR. BİLGE GÜVENÇ TUNA
76	20120800002	KONURALP	SAĞLAM	YRD. DOÇ. DR. HALE ARIK
77	20130800072	PELİN	SARI	DR. BİLGE GÜVENÇ TUNA
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