

Board Code and Name	TIP304- ENDOCRINE SYSTEM AND METABOLIC DISEASES
Term of the Board	3rd Grade / Spring Semester
Course Hours of the Board (Theoretical/Practical)	106/26
ECTS of the Board	9
Language of the Board	Turkish
Type of Board	Imperative
Board's Learning and Teaching Techniques	<ol style="list-style-type: none"> 1. Theoretical Lecture 2. Practice/ Exercise 3. Interactive Presentation 4. Q&A 5. Argument 6. Observation 7. Team/Group Work
Measurement Techniques of the Board	<ol style="list-style-type: none"> 1. Written Exam 2. Practice Exam
Responsible(s) of the Board	<p>Prof. Yurdanur Kiliç, MD Assist. Asst. Prof. Burçin Altınbaş Assist. Meltem Gungor</p>
Purpose of the Board	<p>At the end of this board, students; development and functions of the endocrine system, biochemical properties of hormones and vitamins, etiopathogenesis of basic diseases related to this system and metabolism, symptoms, basic clinical and laboratory findings, diagnosis to gain general knowledge about the methods and drugs used in their treatment; to have knowledge about the basic approach to a clinical case and to participate in the clinical visit and outpatient work discipline of the Department of Pediatrics, General Surgery, Internal Medicine and Obstetrics and Gynecology and Obstetrics in a way that adapts to the discipline of semiology practices.</p> <p>It is aimed to increase their level of manners and knowledge.</p>
Learning Outcome of the Board	<ol style="list-style-type: none"> 1. To be able to list the development and structural features of the endocrine system 2. To be able to define functional mechanisms 3. To be able to explain the biochemical processes of hormones and vitamins 4. To be able to recognize superficial, deep, systemic and opportunistic fungal infection agents 5. etiopathogenesis of basic diseases related to the system, symptoms, clinical, laboratory and histopathological findings Ability to count 6. To be able to list the treatment methods applied in basic diseases related to the system and the effects, mechanisms of action, pharmacokinetics, side effects and drug interactions of the drugs used in general terms 7. To be able to demonstrate the attitude of adapting to the discipline of clinical visit and outpatient work
Content of the Board	<ol style="list-style-type: none"> 1. Development and functions of the endocrine system, biochemical properties of hormones and vitamins, etiopathogenesis of basic diseases related to this system and metabolism, symptoms, basic clinical and laboratory findings, diagnostic methods and treatments General information is given about the drugs used. 2. In the Clinical Skills Practices (KBU) courses held in small groups, clinical visits and outpatient clinic practices are attended as observers. 3. In the Clinical Case Evaluation (CODE) courses, which are taught in the form of discussions together, scientific approach to different cases Predictions are presented on the subject.
Resources	<ol style="list-style-type: none"> 1. Guyton and Hall Medical Physiology, John E. Hall, Translation Editor: Berrak Ç. Yeğen, Güneş Medical Bookstores 13. Edition, 2017 2. Clinical Aspects of Human Embryology- Keith L. Moore, T.V.N. Persaud, Mark G. Torchia, Translation Editor: Hakkı Dalçık- 10. Edition: Nobel Medical Bookstore, 2016 3. Histology Lecture and Atlas, Michael H. Ross, Wojciech Pawlina, Translation Editor: Barış Baykal, Palme Publishing House 6. Oppression 2014. 4. Basic Medical Microbiology, Patrick R. Murray, Translation Editor: A. Dürdal Us, Ahmet Başustaoğlu, Güneş Medical Bookstore 2016 5. Robbins Basic Pathology, Translation Editors: S. Tuzlalı, M. Güllüoğlu, U. Çevikbaş, Nobel Medical Publishing House 2014 6. Lippincott Pharmacology, Karen Whalen, Translation Editors: Prof. Dr. Çetin Hakan Karadağ , Prof. Dr. Ahmet Ulugöl, Prof. Dr. Dikmen Dökci, Nobel Medical Publishing House 7th edition, 2020

Weeks	Board Courses (Theoretical/Practical)
1st Week	Biochemistry (T), Histology/Embryology (T), Clinical Approach (T/ Internal Medicine), Physiology (T), Pharmacology (T), Pathology (T).
2nd Week	Histology/Embryology (U), Clinical Skills Practice (U), Clinical Approach (T/ Internal Medicine, Nuclear Medicine, Radiology), Pathology (T), Physiology (T), Biochemistry (T/U), Pharmacology (T).
3rd Week	Biochemistry (T/U), Pathology (U), Clinical Approach (T/ Pediatrics, Internal Medicine,), Physiology (T), Pharmacology (T).
4th Week	Biochemistry (T/U), Clinical Skills Practices (U), Microbiology (T/U), Clinical Approach (T/Internal Medicine, Pediatrics, CODE), Pathology (T/U).
Explanation: T: Theoretical U: Application CODE: Clinical Case Review Clinical Skills Practices: Internal Medicine, Pediatrics, General Surgery, Obstetrics and Gynecology	

Number of Questions in the Board		
Exam Type	Theoretical	Application
Midterm Exam	80	20
Finale	100	0
Integration	100	0

Evaluation System		
Semester Studies	Number	Total Contribution (%)
Continuation	0	0
Laboratory	0	0
Application	2	8
Fieldwork	0	0
Course-Specific Internship (If Available)	0	0
Assignments	0	0
Presentation	0	0
Projects	0	0
Seminar	0	0
Midterm Exam	1	32
Finale	1	60
	Sum	100
Contribution of Semester Studies to Success Grade	0	0
Contribution of Final Studies to Success Grade	0	0
	Sum	0

Explanation: While calculating the contribution rates of the evaluation system, **SANKO University Associate Degree and Undergraduate Education and the Examination Regulation and the Faculty of Medicine Education and Measurement and Evaluation Directive** are valid.

Student Workload Table			
Events	Number (weeks)	Duration (class hours)	Sum
Course Duration (Including Exam Week)	4	27	106
Laboratory	0	0	0
Application	3	9	26
Course-Specific Internship (If Available)	0	0	0
Fieldwork	0	0	0
Out-of-Class Study Time (Freelancing/ Group Study/ Pre-Study/ Reinforcement)	4	24	96
Presentation/Seminar Preparation	0	0	0
Project	0	0	0
Assignments	0	0	0
Midterm Exam	0	0	0
Final Exams	0	0	0
Total Workload	11	60	228

Associating the learning outcomes of the courses with the program competencies					
Program Qualifications	1	2	3	4	5
1. The basic structure, development and normal functioning of the human body molecules, cells, tissues, It explains at the organ and system level.					X
2. Questioning the abnormal structuring and functioning of the human body, qualified scientific Explains with research-based information, evaluates the causes of diseases, taking into account the interaction with the individual and his environment.				X	
3. Clinical decision-making and management processes of diseases and applications of evidence-based medicine evaluates under the guidance of.			X		
4. Define the concepts of health and disease in individual and social contexts, health seeking and health protection behaviors, national health service delivery and administrative processes Describes.			X		
5. Know the research processes that form the basis of medical knowledge, follow the developments in this field Has a level of foreign language knowledge.					X
6. Takes medical history from the applicant/patient and their relatives.	X				
7. Performs physical examination of individuals, evaluates diagnostic tests, diagnosis and treatment It manages its processes by using appropriate process steps.	X				
8. Applies medical interventions for diagnosis, treatment or prevention of individuals.	X				
9. Medical and administrative data on health and disease obtained from individuals and society organizes and keeps records of context.	X				
10. For the protection and development of health in individual and social dimensions Plans and implements applications.			X		
11. Plans and implements a scientific research and evaluates its results.					X
12. Scientific and technological developments for professional and social changes It shows lifelong learning behavior by making use of it.					X
13. Physician within the framework of professional values, ethical principles and legal regulations, regardless of language, religion, race, gender, social and cultural discrimination in the individual and society he serves. fulfills its responsibilities as.			X		
14. Protection and development of health in individual and social dimensions, diseases Performs teamwork with colleagues and other healthcare professionals in the management processes.			X		
15. Protection and development of the health of the individual and society and the society of health care It strives to be realized for the benefit of the individuals who make it up.			X		
Description: Level of qualification:					
1. Miscarriage					
2. Low/medium					
3. Middle					
4. High					
5. That's great					