

Code and Name of the Internship	TIP437- Cardiology
Year of Internship	4
Duration of the Internship	3 Weeks
ECTS of the internship	5
Language of the Internship	Turkish
Type of Internship	Imperative
Learning and Teaching Techniques of the Internship	1. Theoretical Lecture 2. Practice/Practice 3. Assignments/ Research 4. Q&A 5. Argument 6. Observation
Measurement Techniques of the Internship	1. Written Exam 2. Practice Exam
Internship Supervisor(s)	Assoc. Prof. Mustafa ÇETİN Prof. Dr. Zarema KARBEN Asst. Prof. Dr. Alper SERÇELİK Exp. Dr. Beyhan TIRYAKI
Purpose of the Internship	Knowing and applying the rules of medical ethics related to cardiology, investigative and inquisitive, It is to gain knowledge, skills and attitudes by educating physicians who are open to development and in accordance with internationally accepted measures
Learning Outcome of the Internship	1. Knows the cardiovascular diseases that are the most common cause of morbidity and mortality in the world and in Turkey. 2. Recognizes and interprets cardiac symptoms, takes anamnesis for diagnosis and differential diagnosis. 3. By choosing the appropriate diagnostic method, he guides the patient when necessary. 4. Takes an ECG and reads and interprets ECG samples. 5. Risk factors that lead to cardiovascular diseases and what can be taken for these risk factors Counts precautions and manages risk factors. 6. Counts the definition of hypertension and treatment goals, knows the drugs to be used for treatment.
Content of the Internship	1. Definition, etiology, clinical manifestations and treatments of cardiological diseases 2. Differential diagnosis of diseases 3. Evaluation and monitoring of the patient in the outpatient clinic 4. Diagnostic methods 5. Electrocardiography, echocardiography, stress test, holter and coronary angiography
Resources	1. Marriott's Practical Electrocardiography by David G. Strauss; Galen S. Wagner ISBN: 9781451146257, Publication Date: 2013-12-18 2. Braunwald's Heart Disease: a Textbook of Cardiovascular Medicine, 2-Volume Set by Douglas P. Zipes; Peter Libby; Robert O. Bonow; Douglas L. Mann; Gordon F. Tomaselli ISBN: 9780323463423 Publication Date: 2018-02-20 3. Understanding Heart Sounds and Murmurs with an Introduction to Lung Sounds by Ara G. Tilikian; Mary Boudreau Conover ISBN: 9780721676432 Publication Date: 2001-04-03

Internship Courses (Weeks)	Internship Topics
1st Week	Definition, etiology, clinical findings and treatment of cardiological diseases, Differential diagnosis of diseases, Patient in outpatient clinic Evaluation and monitoring
2nd Week	Evaluation and monitoring of the patient in the outpatient clinic, Diagnostic methods
3rd Week	Electrocardiography, echocardiography, stress test, holter and coronary angiography, Exam

Number of Questions in the Internship		
Exam Type	Theoretical	Application
Final (Oral)	25	10
Make-up (Oral)	25	10

Evaluation System		
Semester Studies	Number	Total Contribution (%)
Written Exam	1	60%
Oral Exam	0	0%
Internship Performance	1	20%
Objective Structured Exam	1	20%
	Sum	100
Contribution of Semester Studies to Success Grade	0	100
Contribution of Final Studies to Success Grade	0	0
	Sum	100

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)	3	6	18
Laboratory	0	0	0
Application	3	16	48
Course-Specific Internship (If Available)	3	20	60
Fieldwork	0	0	0
Out-of-Class Study Time (Freelancing/ Group Study/ Pre-Study/ Reinforcement)	0	0	0
Presentation/Seminar Preparation	0	0	0
Project	0	0	0
Assignments	0	0	0
Board Exam	0	0	0
Final Exams	0	0	0
Total Workload	9	42	126

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					