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| Code and Name of the Internship | TIP535-Radiation Oncology |
| Year of Internship | Year 5 |
| Duration of the Internship | 1 week |
| ECTS of the internship | 1 |
| Language of the Internship | Turkish |
| Type of Internship | Imperative |
| Learning and Teaching Techniques of the Internship | <ol style="list-style-type: none"> 1. Theoretical Lecture 2. Practice/ Exercise 3. Assignments/ Research 4. Q&A 5. Argument 6. Observation 7. Team/Group Work |
| Measurement Techniques of the Internship | <ol style="list-style-type: none"> 1. Written Exam 2. Practice Exam |
| Internship Supervisor(s) | Prof. İsmet Şahinler, MD |
| Purpose of the Internship | The basic concepts of radiotherapy and the process related to its application, primary care for cancer patients receiving radiotherapy to gain knowledge and skills related to the approach at the level. |
| Learning Outcome of the Internship | <ol style="list-style-type: none"> 1. Learns the mechanism of action of radiation on normal tissues and tumors. 2. Knows that radiotherapy is a treatment option in a benign tumor, especially in recurrences, in a malignant tumor, in cases where surgery is difficult, and knows how to direct the patient to radiation oncology. 3. Learns that radiotherapy has a place in the treatment of some non-tumor benign conditions (such as keloid, myositis ossificans, arterio-venous malformation). 4. Learn the side effects of radiotherapy and treat common side effects such as dermatitis and diarrhea. |
| Content of the Internship | <ol style="list-style-type: none"> 1. Introduction to Radiation Oncology and Fundamentals of Radiotherapy 2. Skin Tumors 3. Central Nervous System Tumors 4. Head and Neck Tumors 5. Lung Cancers and Thoracic Tumors 6. Breast Cancers 7. Gastrointestinal System Tumors 8. Urinary System Tumors 9. Gynecological Tumors 10. Lymphoma and Hematopoietic System Tumors 11. Soft Tissue Tumors 12. Childhood Tumors 13. The Place of Radiotherapy in Benign Tumors and Non-Tumor Conditions |
| Resources | <ol style="list-style-type: none"> 1-Clinical Radiation Oncology, 4th edition, 2016 2-Perez and Brady's Principles and Practice of Radiation Oncology, 2018 |

| Internship Courses (Weeks) | Internship Topics |
|----------------------------|---|
| 1st Week | Introduction to Radiation Oncology and Fundamentals of Radiotherapy, Skin Tumors, Central Nervous System Tumors, Head and Neck Tumors, Lung Cancers and Thoracic Tumors, Breast Cancers, Gastrointestinal System Tumors, Urinary System The Place of Radiotherapy in Tumors, Gynecological Tumors, Lymphoma and Hematopoietic System Tumors, Soft Tissue Tumors, Childhood Tumors, Benign Tumors and Non-Tumor Conditions |

| Number of Questions in the Internship | | |
|---------------------------------------|-------------|-------------|
| Exam Type | Theoretical | Application |
| Final (Oral) | 20 | 0 |
| Make-up (Oral) | 20 | 0 |

| Evaluation System | | |
|---|------------|------------------------|
| Semester Studies | Number | Total Contribution (%) |
| Written Exam | 1 | 70 |
| Oral Exam | 1 | 30 |
| Internship Performance | 0 | 0 |
| Sample Application | 0 | 0 |
| | Sum | 100 |
| Contribution of Semester Studies to Success Grade | 0 | 100 |
| Contribution of Final Studies to Success Grade | 0 | 0 |
| | Sum | 100 |

Explanation: 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 | Duration (class hours) | Sum |
| Course Duration (Including Exam Week) | 1 | 13 | 13 |
| Laboratory | 0 | 0 | 0 |
| Application | 1 | 3 | 3 |
| Course-Specific Internship (If Available) | 1 | 8 | 8 |
| 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 | 3 | 27 | 27 |

| 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 | | | | | |