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| **Skills** | **-Theoretical****-Applied** | **PROGRAM LEARNING OUTCOMES** | **THQF** | **MAC** |
| **Content** | **Number** | **Number** |
| Sufficient knowledge on stem cell issues; theoretical and practical knowledge and clinical problems in these areas should be investigated and investigated at the molecular level. | 14,72 | 141, 721 |
| **TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF)** | **MAIN AREAS OF COMPETENCE (MAC)** |
| 1. Based on the qualifications of the stem cell doctor, the current and advanced knowledge in the field should be developed, deepened, and able to arrive at original definitions that will bring innovation to the field with original thought or research.2. Be able to comprehend the interdisciplinary interaction that is related to the stem cell doctor's field; analyze and synthesize new and complex ideas, and obtain the original results by using the knowledge required for expertise. | 1. It has enough substructure in basic issues about biology and stem cell. |
| **-Conceptual****-Cognitive** | **PROGRAM LEARNING OUTCOMES** | **THQF** | **MAC** |
| A candidate stem cell science doctor should be able to identify cellular mechanisms that occur in healthy and pathological conditions in living organisms at the molecular level. | 14,72 | 141, 721 |
| **TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF)** | **MAIN AREAS OF COMPETENCE (MAC)** |
| 1. He / she should be able to use advanced theoretical and practical knowledge in his / her field.2. They should be able to develop a new idea, method, design or practice that brings innovation in the field of stem cells, or apply a known method to a different field. | 1. Use theoretical knowledge in the field of stem cells for research.2. The new method, practice and thought allows testing to be carried out to prove hypotheses. |
| **Competencies** | **Competence to Work Independently And Take Responsibility** | **PROGRAM LEARNING OUTCOMES** | **THQF** | **MAC** |
| To gain the ability to adopt, observe, interrogate and research by understanding the importance of life and self-learning. | 14,72 | 141, 721 |
| Basic analytical techniques used in stem cell laboratories should have detailed knowledge and skills about the operation principles and usage areas. | 14,72 | 141, 721 |
| **TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF)** | **MAIN AREAS OF COMPETENCE (MAC)** |
| 1. It should be able to contribute to the progress of the field by independently performing an original work in the stem cell field.2. They should be able to publish at least one scientific article on stem cells in national or international magazines or expand the boundaries of the information in their field by interpreting and producing a unique work.3. It should be able to lead in the environments where it is necessary to solve the original and interdisciplinary problems in the stem cell field. | 1. By independently performing a unique study in the stem cell field, it can contribute to progress in its field.2. It can lead in environments that require the solving of original and interdisciplinary problems in the stem cell field. |
| **PROGRAM LEARNING OUTCOMES** | **THQF** | **MAC** |
| **Learning Competency** | Being able to adopt, observer, questioning and searching skills by realizing the importance of life and self-learning | 72 | 721 |
| **TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF)** | **MAIN AREAS OF COMPETENCE (MAC)** |
| 1. To be able to develop new ideas and methods related to the field by using basic mental processes such as creative and critical thinking, problem solving and decision making by learning basic knowledge in stem cell field. | Use theoretical and practical knowledge in the field of stem cells for clinical solutions. |
|  | **Communication And Social Competence** | **PROGRAM LEARNING OUTCOMES** | **THQF** | **MAC** |
| Having the ability to be compassionate, honest and trustworthy in human relations and having the ability to communicate effectively with the working team. | 14, 42, 72 | 141, 421, 721 |
| To be able to do intradisciplinary and interdisciplinary team work. | 14, 42, 72 | 141, 421, 721 |
| To have knowledge and application skills in quality management in stem cell laboratories. | 14, 42, 72 | 141, 421, 721 |
| Be able to communicate by expressing their knowledge and opinions in a clear and concise way, both verbally and in writing, with the ability of individual work skills and independent decision making. | 14, 42, 72 | 141, 421, 721 |
| **TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF)** | **MAIN AREAS OF COMPETENCE (MAC)** |
| 1. It should be able to defend original opinions in the discussion of the subjects in the field of stem cell with experts and to communicate effectively, showing the competence in the field.2. Present oral and visual presentations at national or international congresses and meetings. | 1. In discussing the topics of the stem cell field, it can defend original opinions and communicate effectively, demonstrating its competence in the field.2. He / She can make oral and visual presentations at national or international congresses and meetings. |
| **Specific Areas****Perfection** | **PROGRAM LEARNING OUTCOMES** | **THQF** | **MAC** |
| In the field of stem cells, it is necessary to acquire the ability to do original work which brings innovation, develops a new scientific method or heals and presents it to practice. | 72 | 721 |
| He /she should be able to specialize in a specific area of ​​the stem cell. They should have embraced the importance of lifelong learning and be able to improve themselves by watching developments in science-technology and current topics. | 72 | 721 |
| **TURKEY HIGHER EDUCATION QUALIFICATIONS FRAMEWORK (THQF)** | **MAIN AREAS OF COMPETENCE (MAC)** |
| 1. They should be able to introduce scientific and technological advances in the field of stem cells, and be able to contribute to the process of being a knowledge society and survival society.2. It should be able to establish functional interactions using the strategic decision-making processes to solve the problems related to stem cells. | It can promote scientific and technological progress in the field of stem cells and contribute to the process of sustaining it. |