

**GAZİ UNIVERSITY FACULTY OF MEDICINE**  
**2023-2024 ACADEMIC YEAR ENGLISH MEDICINE PROGRAMME**  
**DEPARTMENT OF NUCLEAR MEDICINE**

**YEAR V, ELECTIVE NUCLEAR MEDICINE COURSE CURRICULUM**

| <b>Course Start-End Time</b>       | <b>Course Name (Application Method, Hour)<br/>(Theoretical, Applied Course-Practical,<br/>Laboratory)</b> | <b>Lecturer</b>                      |
|------------------------------------|---|--------------------------------------|
| <b>1st Week-1<sup>st</sup> day</b> |   |                                      |
| 9.00-9.40                          | Internship introduction and information   | Internship Supervisor Faculty Member |
| 9.4-10.20                          | Radiation and Principles of Radiation Protection (Practical, 1 hour)                                      | Dr. Öğr. Üyesi Erdem BALCI           |
| 10.30 - 11.10                      | Bedside Training (Practical, 1 hour)  | Responsible Lecturer                 |
| 11.20- 12.00                       | The Role of Nuclear Medicine in Diagnosis and Treatment Algorithm (Theoretical, 1 Hour)                   | Prof.Dr. Mustafa ÜNLÜ                |
| 13.30.14.10                        | Radiopharmaceuticals and Uptake Mechanisms (Theoretical, 1 Hour)  | Dr. Öğr. Üyesi Uğuray AYDOS          |
| 14.50- 15.30                       | Nuclear Medicine in Diagnosis of Coronary Artery Disease (Theoretical, 1 Hour)                            | Dr. Öğr. Üyesi Uğuray AYDOS          |
| 15.40-16.30                        | Patient Scheduling in Nuclear Medicine (Practical, 1 Hour)  | Dr. Öğr. Üyesi Uğuray AYDOS          |
| <b>1st Week-2<sup>nd</sup> day</b> |   |                                      |
| 9.00-9.40                          | PET and SPECT Imaging (Practical, 1 Hour)   | Dr. Öğr. Üyesi Erdem BALCI           |
| 9.40- 10.20                        | Scintigraphic Imaging of Musculoskeletal System (Practical, 1 Hour)                                       | Prof.Dr. Neşe İLGİN KARABACAK        |
| 10.30 - 11.10                      | Scintigraphic Imaging of Central Nervous System (Theoretical, 1 Hour)                                     | Prof.Dr. Neşe İLGİN KARABACAK        |
| 11.20- 12.00                       | Scintigraphic Imaging of Musculoskeletal System (Theoretical, 1 Hour)                                     | Prof.Dr. Neşe İLGİN KARABACAK        |
| 13.30.14.10                        | PET in Clinical Oncology (Practical, 1 Hour)  | Prof.Dr. Lütfiye Özlem ATAY          |
| 14.50- 15.30                       | Nuclear Medicine in Diagnosis of Coronary Artery Disease (Practical, 1 Hour)                              | Dr. Öğr. Üyesi Uğuray AYDOS          |
| 15.40-16.30                        | Bedside Training (Practical, 1 Hour)  | Responsible Lecturer                 |
| <b>1st Week-3<sup>rd</sup> day</b> |   |                                      |

|                                    |  |                                      |
|------------------------------------|--|--------------------------------------|
| 9.00-9.40                          | Devices and Image Processing in Nuclear Medicine (Theoretical, 1 hour) | Dr. Öğr. Üyesi Erdem BALCI           |
| 9.40- 10.20                        | Radiation and Principles of Radiation Protection (Theoretical, 1 hour) | Dr. Öğr. Üyesi Erdem BALCI           |
| 10.30 - 11.10                      | Scintigraphic Imaging of Urinary System (Theoretical, 1 Hour)          | Prof.Dr. Ümit Özgür AKDEMİR          |
| 11.20- 12.00                       | Radionuclide Therapy (Theoretical, 1 Hour)                             | Prof.Dr. Ümit Özgür AKDEMİR          |
| 13.30.14.10                        | Nuclear Endocrinology (Practical, 1 Hour)                              | Prof.Dr. Lütfiye Özlem ATAY          |
| 14.50- 15.30                       | Scintigraphic Imaging of Endocrine System (Practical, 1 Hour)          | Prof.Dr. Lütfiye Özlem ATAY          |
| 15.40-16.30                        | PET/MRI Applications (Practical, 1 Hour)                               | Dr. Öğr. Üyesi Uğuray AYDOS          |
| <b>1st Week-4<sup>th</sup> day</b> |  |                                      |
| 9.00-9.40                          | Scintigraphic Imaging of Urinary System (Practical, 1 Hour)            | Prof.Dr. Ümit Özgür AKDEMİR          |
| 9.40- 10.20                        | Scintigraphic Imaging of Central Nervous System (Practical, 1 Hour)    | Prof.Dr. Neşe İLGİN KARABACAK        |
| 10.30 - 11.10                      | Nuclear Oncology 1: PET in Clinical Oncology (Theoretical, 1 Hour)     | Prof.Dr. Lütfiye Özlem ATAY          |
| 11.20- 12.00                       | Nuclear Oncology 2: Theranostic Applications (Theoretical, 1 Hour)     | Prof.Dr. Lütfiye Özlem ATAY          |
| 13.30.14.10                        | Radionuclide Therapy (Practical, 1 Hour)                               | Prof.Dr. Ümit Özgür AKDEMİR          |
| 14.50- 15.30                       | Nuclear Endocrinology (Theoretical, 1 Hour)                            | Prof.Dr. Lütfiye Özlem ATAY          |
| 15.40-16.30                        | Internship evaluation and feedback                                     | Internship Supervisor Faculty Member |
| <b>1st Week-5<sup>th</sup> day</b> |  |                                      |
| 9.00-9.40                          | <b>Test Examination (Multiple Choice, Open Ended)</b>                  | Internship Supervisor Faculty Member |
| 9.40- 12.00                        | <b>Practical and Oral Examination</b>                                  | Internship Supervisor Faculty Member |