

COURSE CONTENT

University: Muğla Sıtkı Koçman University

Faculty: Medicine/ **Program:** English Program

Academic Year: 2021-2022

Phase: 5/ **Course:** Nuclear Medicine

Course Code: MED 5009/ **ECTS:** 1 / **T+U+L:** Theoretical + Practical

Course Type : Compulsory/ **Course Length :** 1 weeks/ **Type of Instruction :** Formal/ **Language of Instruction :** English

Theoretical:

1. Topic of the Lecture (1hour)
2. Detection of radioactive rays, scintigraphic methods (1hour)
3. Endocrine system (1hour)
4. Endocrine system scintigraphies II (1hour)
5. Interaction of radioionizing rays with matter, biological effects and radiation protection (1hour)
6. Introduction of Nuclear Medicine (1hour)
7. Myocardial perfusion scintigraphy I (1hour)
8. Myocardial perfusion scintigraphy II (1hour)
9. PET-CT in clinical practice (1hour)
10. Radioactivity, Radioactive beam types, Radioactive decay (1hour)
11. Radionuclide treatments I (1hour)
12. Radionuclide treatments II (1hour)
13. Radionuclides used in nuclear medicine and obtaining them (1hour)
14. Renal scintigraphies I (1hour)
15. Renal scintigraphies II (1hour)
16. Skeletal system scintigraphy and infection imaging

Practical:

1. Nuclear Medicine Service introduction (1hour)
2. Practice (working with image samples) (5hour)

Others:

1. Advisory hour (2hour)
2. Elective Clerkship (4hour)
3. Free Hour (5hour)
4. scintigraphies I(1hour)