

RESEARCH PROJECT

Name of Institution and Department:

Division of Radiology, European Institute of Oncology (IEO IRCCS)

Link to Website:

www.ieu.it

City and Country of Institution:

Milan, Italy

RESEARCH GROUP

Brief Description of the Research Group and Its Mission

The Division of Radiology is dedicated to oncologic imaging, with a particular focus on cancer screening, diagnosis, staging, treatment response assessment, and follow-up. The division has extensive expertise in advanced imaging techniques, including Computed Tomography (CT), CT Enterography, Magnetic Resonance Imaging (MRI), Whole-Body MRI, and MR Enterography.

TITLE OF THE PROPOSED RESEARCH PROJECT

Evaluation of ⁶⁸Ga-DOTATOC PET/CT and MR Enterography for the Detection of Primary Small-Bowel Neuroendocrine Tumors

OBJECTIVES

- To gain expertise in the interpretation of MR Enterography studies for the detection and characterization of small-bowel neuroendocrine tumors (NETs), including assessment of disease extent and factors relevant to surgical planning.
- To compare the diagnostic performance of MR Enterography with that of ⁶⁸Ga-DOTATOC PET/CT using surgical findings as the reference standard.
- To evaluate the complementary role of morphological and functional imaging in the preoperative assessment of patients with small-bowel NETs.

APPLICANT'S DUTIES

- Participation in the scientific activities of the project, including the preparation of abstracts, conference presentations, and scientific publications.
- Attendance at multidisciplinary team (MDT) meetings dedicated to neuroendocrine tumors.
- Participation in scientific meetings, educational sessions, and case review conferences.
- Contribution to data collection, image analysis, and research-related activities under the supervision of the project team.

APPLICANT'S BENEFITS

- Access to the facilities, imaging platforms, and research infrastructure of the Division of Radiology for research purposes.

- Participation in multidisciplinary clinical and research activities focused on oncologic imaging.
- Access to the institutional cafeteria and common facilities.
- Opportunity to contribute to scientific publications and presentations at national and international conferences.

PROJECT TEAM

Project Leader:

Prof. Giuseppe Petralia, MD

Project Members:

Luigi Funicelli, MD

Annapaola Aiello, MD