

## Special Issue

# Emerging Radiotherapy Technologies and Trends

### Message from the Guest Editor

Radiotherapy is undergoing a transformative evolution, driven by rapid advancements in imaging, treatment planning, artificial intelligence, and delivery techniques. Despite the fact that significant progress has been made, challenges remain, including tumour motion management, normal tissue toxicity, adaptive treatment, and real-time dose monitoring. This Special Issue is therefore both timely and essential, as we seek to explore radiotherapy technologies that could improve clinical outcomes and patient quality of life.

We aim to collate innovative articles that focus on technological breakthroughs such as MR-guided radiotherapy, FLASH therapy, AI-driven treatment optimisation, radiomics, proton and heavy ion therapy, and the integration of theragnostics.

We invite researchers and clinicians to submit their original manuscripts exploring emerging methods or sharing clinical experiences. Your contributions will help to shape the future landscape of radiation oncology and accelerate the transition from innovation to clinical practice.

---

### Guest Editor

Dr. Michele Fiore

1. Research Unit of Radiation Oncology, Department of Medicine and Surgery, Università Campus Bio-Medico di Roma, Roma, Italy
2. Operative Research Unit of Radiation Oncology, Fondazione Policlinico Universitario Campus Bio-Medico, Roma, Italy

---

### Deadline for manuscript submissions

20 March 2026



## Journal of Clinical Medicine

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/249965](https://mdpi.com/si/249965)

*Journal of Clinical Medicine*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jcm@mdpi.com](mailto:jcm@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[jcm](https://doi.org/10.3390/jcm)





# Journal of Clinical Medicine

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/journal/  
jcm](https://mdpi.com/journal/jcm)



## About the Journal

### Message from the Editorial Board

There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

---

### Editors-in-Chief

Prof. Dr. Emmanuel Andr  s

Internal Medicine Department, University Hospital Strasbourg, 67000  
Strasbourg, France

Prof. Dr. Kent Doi

Department of Acute Care Medicine, University of Tokyo, Tokyo, Japan

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).