

Special Issue

Advances in Cancer Imaging: Evolving Role of Radiomics and Artificial Intelligence

Message from the Guest Editor

Non-invasive tumor diagnosis and classification has long been a crucial issue in clinical decision making. Among many methods available, imaging examinations via ultrasound, CT, MRI, PET, or SPECT are commonly adopted which provide anatomical/functional information on the tumor. Recently, radiomics and artificial intelligence (AI) provide new possibilities for imaging data interpretation and form an automatic pipeline for disease classification or segmentation. Radiomics, empowered by machine learning algorithms, can classify the tumor lesions only based on anatomical scans. Auto-segmentation by AI may facilitate early diagnoses and generate masks for radiomic analyses. Radiomics or AI studies based on multimodality imaging data (MRI plus PET, MRI plus CT, and so on) yield a better predictive performance. Hopefully, technically novel, clinically relevant, and meticulously designed studies on cancer imaging contribute to improved patient care.

Guest Editor

Dr. Shuncong Wang

Laboratory of Lipid Metabolism and Cancer, Biomedical Group,
Campus Gasthuisberg, KU Leuven, 3000 Leuven, Belgium

Deadline for manuscript submissions

closed (31 July 2023)



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/145752

Diagnostics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
diagnostics@mdpi.com

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





Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



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



About the Journal

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine & PET National
University Hospital, Rigshospitalet, University of Copenhagen,
Blegdamsvej 9, DK-2100 Copenhagen, Denmark

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).