



diagnostics



an Open Access Journal by MDPI

Deep Learning in Medical Images for Gastrointestinal Cancers: Advanced Diagnosis and Prediction

Guest Editor:

Dr. Valentina Giannini

Department of Surgical Sciences,
University of Turin, Turin, Italy

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editor

Dear Colleagues,

Gastrointestinal tumors are the most common of the rare non-epithelial neoplasms of the gastrointestinal tract. These tumors are usually classified into four groups of risk, by combining information from physical examination, laboratory tests, imaging, and tissue biopsy. Different treatments are then offered according to the risk. The advent of anatomic and functional diagnostic imaging has improved the non-invasive characterization of tissues and different imaging biomarkers have been recently developed to classify patients' risk.

The purpose of this Special Issue is to present the most recent innovations in the development of imaging biomarkers based on deep learning algorithms. These imaging biomarkers can exploit both radiological and digital pathological images. We encourage the submission of studies that are aimed at optimizing detection, risk stratification, and the response to treatment of gastrointestinal tumors by developing imaging biomarkers based on different imaging inputs, i.e., radiological and pathological images. We also encourage the submission of multi-omics studies.

Dr. Valentina Giannini

Guest Editor



mdpi.com/si/167330

Special Issue



an Open Access Journal by MDPI

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

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [Embase](#), [Inspec](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Medicine, General & Internal*)

Contact Us

Diagnostics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/diagnostics
diagnostics@mdpi.com
[X@diagnostic_mdpi](#)