

Special Issue

Large Vision–Language Models (LVLMs) in Medical Imaging: Methods, Evaluation, and Clinical Translation

Message from the Guest Editor

This Special Issue aims to highlight recent methodological advances, practical applications, and translational considerations of LVLMs in medical imaging and diagnostics. The objectives are as follows:

- Present state-of-the-art LVLM methods relevant to diagnostic imaging.
- Evaluate model performance, robustness, and clinical utility.
- Discuss challenges related to interpretability, bias, and deployment.
- Provide guidance for responsible clinical translation of LVLMs.

Topics of Interest:

- Architectures and training strategies for LVLMs in medical imaging;
- Image–report alignment and multimodal representation learning;
- Evaluation of LVLMs: reliability, calibration, and hallucination;
- Clinical applications in radiology and pathology (e.g., reporting, risk stratification, decision support);
- Ethical, regulatory, and workflow considerations for diagnostic use.

Guest Editor

Prof. Dr. Tim Duong

Department of Radiology, Montefiore Health System and Albert Einstein College of Medicine, Bronx, NY 10461, USA

Deadline for manuscript submissions

30 November 2026



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/268796

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, CAPlus / 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 21.6 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).