



*diagnostics*



an Open Access Journal by MDPI

## Artificial Intelligence in Image-Based Screening, Diagnostics, and Clinical Care

Guest Editors:

**Dr. Sameer Antani**

National Library of Medicine,  
National Institutes of Health,  
Bethesda, MD 20894, USA

**Dr. Zhiyun Xue**

National Library of Medicine,  
National Institutes of Health,  
Bethesda, MD 20894, USA

**Dr. Sivaramkrishnan  
Rajaraman**

National Library of Medicine,  
National Institutes of Health,  
Bethesda, MD 20894, USA

Deadline for manuscript  
submissions:

**closed (30 April 2024)**

### Message from the Guest Editors

In this Special Issue, “Artificial Intelligence in Image-Based Screening, Diagnostics, and Clinical Care of Cardiopulmonary Diseases-Volume 2”, we aim to highlight primary research studies and literature reviews focusing on novel AI/ML methods applied for image-based screening, diagnosis, and clinical management of cardiopulmonary diseases and present new methods for training ML/DL models using imperfect and limited real-world medical data.

We hope that this Special Issue will help convey the state of the art in AI exhibiting the potential to make a significant contribution to an important global health challenge.

We invite leading researchers to submit their previously unpublished and novel research in this area.



[mdpi.com/si/134823](https://mdpi.com/si/134823)

**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, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

## Contact Us

---

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

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/diagnostics](http://mdpi.com/journal/diagnostics)  
[diagnostics@mdpi.com](mailto:diagnostics@mdpi.com)  
[X@diagnostic\\_mdpi](https://twitter.com/diagnostic_mdpi)