

Special Issue

Using Artificial Intelligence for the Early Detection of Pneumonia and Its Further Management

Message from the Guest Editor

Pneumonia is one of the most important infectious diseases and is caused by a number of infectious pathogens, including viruses, bacteria and fungi. Pneumonia may have a devastating effect on morbidities and mortality in the elderly population. How best to pursue diagnosis and treatment is an important issue. We aim to encourage researchers to investigate the efficiency of the diagnostic processes for pneumonia and the early identification of the disease. Therefore, the early detection and treatment of pneumonia may improve the prognosis. Previous studies have shown that Artificial Intelligence can help physicians to analyze and detect disease at an early stage. Artificial intelligence increases sensitivity and specificity to correctly identify patients who have the disease. Machine learning models can also integrate with the existing hospital information system to provide physicians with a useful decision-making reference. It may be useful to set prediction models with patients' characteristics, laboratory data, and comorbidities for the early detection of pneumonia.

Guest Editor

Dr. Kuangming Liao
Department of Internal Medicine, Chi Mei Medical Center, Chiali, Tainan 72263, Taiwan

Deadline for manuscript submissions

closed (30 September 2023)



Diagnostics

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed



mdpi.com/si/136573

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 21.6 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).