Special Issue

Applications of Machine Learning in Obstetrics and Gynecology

Message from the Guest Editor

The rapid growth of clinical data and the increasing demand for personalized medicine in women's healthcare have accelerated the adoption of machine learning (ML) in obstetrics and gynecology (OB-GYN). As a journal dedicated to advancing diagnostic technologies, *Diagnostics* provides a timely and relevant forum via which to explore how ML can support early detection, risk stratification, and clinical decision-making in this critical medical domain. This Special Issue aims to showcase recent advances in, and the innovative application of, ML in diagnostic processes across obstetrics and gynecology. We welcome high-quality submissions that demonstrate how machine learning contributes to the early identification of pregnancy-related complications, improves real-time maternal–fetal monitoring, enhances the sensitivity and specificity of cancer screening protocols, and supports precision diagnostics in reproductive medicine.

Guest Editor

Prof. Dr. Valentina Emilia Balas

Department of Automatics and Applied Software, Faculty of Engineering, Aurel Vlaicu University of Arad, Ro-310025 Arad, Romania

Deadline for manuscript submissions

31 March 2026

Diagnostics

Diagnostics

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 5.9
Indexed in PubMed

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 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).

MDPI