Special Issue

Application of Artificial Intelligence in Cardiovascular Surgery

Message from the Guest Editor

In the last few decades, cardiovascular surgery has undergone continuous and remarkable advancements. The advent of minimally invasive, robotic, and transcatheter techniques has significantly reduced morbidity and mortality associated with conventional open-heart surgeries. Additionally, patients who were previously considered high-risk or unsuitable candidates for surgery are now able to undergo invasive treatments.

We are pleased to invite you to share your experiences regarding the role of Al in revolutionary advancements in cardiovascular surgery, in terms of risk assessment, complication prediction, surgical planning, postoperative care and telemonitoring, or any other innovative applications. This Special Issue welcomes original research articles and reviews. Research areas may include (but are not limited to) the following:

- Clinical trials:
- Systematic reviews and meta-analyses;
- Prospective and retrospective cohort studies;
- Validation studies:
- Case reports or first-in-man studies.

I look forward to receiving your contributions.

Guest Editor

Dr. Ana Paula Tagliari

- 1. Instituto de Ciências Básicas da Saúde, Universidade Federal do Rio Grande do Sul, Porto Alegre 90035-003, Brazil
- 2. Cardiovascular Surgery Department, Hospital Mãe de Deus, Porto Alegre 90880-0481, Brazil

Deadline for manuscript submissions

1 March 2026



Healthcare

an Open Access Journal by MDPI

Impact Factor 2.7
CiteScore 4.7
Indexed in PubMed



mdpi.com/si/233801

Healthcare
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
healthcare@mdpi.com

mdpi.com/journal/ healthcare





Healthcare

an Open Access Journal by MDPI

Impact Factor 2.7 CiteScore 4.7 Indexed in PubMed



About the Journal

Message from the Editor-in-Chief

Healthcare is an international, peerreviewed, open access, multidisciplinary journal. Original research articles, short communications, review articles, and symposium highlights are welcomed.

Healthcare hopes to influence global health and disease aspects, and hopes to gain high visibility and acceptance by the scientific and healthcare community and will dedicate itself to covering special and specific topics in special

We would be pleased to welcome you as one of our authors.

Editor-in-Chief

issues.

Prof. Dr. Lorraine S. Evangelista

Louise Herrington School of Nursing, Baylor University, Dallas, TX 75246-1754, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), PubMed, PMC, and other databases.

Journal Rank:

JCR - Q2 (Health Policy and Services) / CiteScore - Q1 (Leadership and Management)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 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).

