



## Recent Advances in Ophthalmic Imaging

Guest Editors:

### Dr. Adam Wylęgata

Pathophysiology Department,  
School of Medicine, Medical  
University of Silesia, 40-055  
Katowice, Poland

### Dr. Bogumiła Sędziak- Marcinek

Chair and Department of  
Ophthalmology, Faculty of  
Medical Sciences in Zabrze,  
Medical University of Silesia,  
Panewnicka 65 Street, 40-760  
Katowice, Poland

Deadline for manuscript  
submissions:

**closed (20 October 2023)**

### Message from the Guest Editors

Ophthalmic imaging plays a crucial role in the diagnosis and treatment of eye diseases. Recently, ophthalmic imaging technologies have improved the accuracy and efficiency of eye examinations. These advancements have led to the development of new and improved imaging modalities, including optical coherence tomography (OCT), ultra-widefield retinal imaging, and adaptive optics imaging.

OCT is a non-invasive imaging technique that uses light waves to produce high-resolution cross-sectional images of the retina. It has become an essential tool for the diagnosis and management of various retinal diseases.

Confocal imaging works by using a laser to produce high-resolution images of the retina and anterior segment of the eye.

Ultra-widefield retinal imaging provides a panoramic view of the retina and has been found to be particularly useful in detecting and monitoring peripheral retinal lesions, which may be missed using traditional fundus photography.

Adaptive optics imaging is a cutting-edge technology that corrects for the distortions caused by the eye's optics, enabling the visualization of individual retinal cells and structures with high resolution.





# medicina

IMPACT  
FACTOR  
2.6

Indexed in:  
PubMed

CITESCORE  
3.6

an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Edgaras Stankevičius**

Medical Academy, Lithuanian  
University of Health Sciences,  
Kaunas, Lithuania

## Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Medicina* (ISSN: 1648-9144). *Medicina* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on medicine. The scientific community and the general public can access the content free of charge as soon as it is published.

## 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](#), [MEDLINE](#), [PMC](#), and [other databases](#).

**Journal Rank:** CiteScore - Q2 (*General Medicine*)

## Contact Us

---

*Medicina*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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

[mdpi.com/journal/medicina](http://mdpi.com/journal/medicina)  
[medicina@mdpi.com](mailto:medicina@mdpi.com)