

## Special Issue

# Advances in CT Angiography and Perfusion

### Message from the Guest Editor

CT angiography and CT perfusion are not new imaging techniques. CT angiography, in particular, has been widely used in the diagnosis of vascular diseases for many years. However, recently, major advances in both modalities have been observed, triggered mainly by the introduction of mechanical thrombectomy in the treatment of acute ischemic stroke (AIS). This has created a need for the rapid and accurate analysis of CT angiography and CT perfusion, to provide the information required for the selection of stroke patients for endovascular therapy. Recent studies have shown that useful tools in this clinical situation include software packages based on artificial intelligence (AI). Currently, there are several commonly used AI-based applications that support radiologists in the analysis of CT angiography and CT perfusion, providing comprehensive data for making treatment decision in AIS patients. Although the main scope of this Special Issue is the application of CT angiography and CT perfusion in AIS diagnosis, all authors with novel research results regarding these imaging techniques are encouraged to submit their work.

### Guest Editor

Dr. Marcin Sawicki

Department of Imaging Diagnostics and Interventional Radiology,  
Pomeranian Medical University in Szczecin, Unii Lubelskiej 1, 71-252  
Szczecin, Poland

### Deadline for manuscript submissions

closed (30 June 2025)



## Life

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/si/218090](https://mdpi.com/si/218090)

*Life*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[life@mdpi.com](mailto:life@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[life](https://mdpi.com/journal/life)





# Life

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.4  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/journal/  
life](https://mdpi.com/journal/life)



## About the Journal

### Message from the Editor-in-Chief

*Life* (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

---

### Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona  
Institute of Science and Technology, 08028 Barcelona, Spain

---

### 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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)