

## Special Issue

# Tissue Perfusion and Organ Regeneration

### Message from the Guest Editor

Tissue perfusion plays a central role in the regeneration of tissue, the integration of cell therapeutics, and the efficiency of drugs. For example, neoangiogenesis can be stimulated by the application of mesenchymal stem cells, blood cells, and growth factors. There are many other factors besides vascular endothelial growth factor (VEGF) that stimulate neoangiogenesis. In addition to the direct mechanisms through special cells, there are also numerous secretion factors that have a positive and negative influence. In this Special Issue, we will discuss the opportunities to improve tissue perfusion and regeneration. We will also attempt to understand better the flow properties of blood and the relationship to normal physiology, including the rheology of fluid in the pervascular and interstitial spaces as well as the lymphatic system. In addition, we will look at the latest methods for monitoring tissue perfusion.

---

### Guest Editor

Prof. Dr. Dr. Lukas Prantl, MD, PhD, MHBA, FACS

1. University Center of Plastic, Aesthetic, Hand and Reconstructive Surgery, University of Regensburg, Regensburg, Germany
2. Applied Stem Cell Research Center, Regensburg, Germany

---

### Deadline for manuscript submissions

closed (15 October 2021)



## Journal of Clinical Medicine

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/57874](https://mdpi.com/si/57874)

*Journal of Clinical Medicine*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jcm@mdpi.com](mailto:jcm@mdpi.com)

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

[jcm](https://jcm)





# Journal of Clinical Medicine

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 5.2  
Indexed in PubMed



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

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



## About the Journal

### Message from the Editorial Board

There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

---

### Editors-in-Chief

Prof. Dr. Emmanuel Andrès

Internal Medicine Department, University Hospital Strasbourg, 67081  
Strasbourg, France

Prof. Dr. Kent Doi

Department of Emergency and Critical Care Medicine, The University of  
Tokyo, Tokyo, Japan

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.5 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).