

## Special Issue

# Advances in Wrist Arthroplasty: From Biomechanics to Clinical Application

### Message from the Guest Editors

Total wrist arthroplasty (TWA) for the treatment of pancarpal wrist arthritis attracts a broad interest. Problems such as implant fracture, instability, and prosthetic component loosening lead to unpredictable results, tempering the use of TWA in recent decades. However, thanks to advancements in implant design, surgical technique, patient selection, along with a deeper understanding of the wrist biomechanics, pitfalls, and expedients, the incidence of complications has dropped over the past decade. This Special Issue aimed to provide the latest progresses achieved and to increase the evidence in TWA, touching on issues of biomechanics, implants, and clinical outcomes. We welcome submissions of original research, comprehensive reviews perspectives, including, but not limited, to the following fields:

- wrist biomechanics
- wrist arthroplasty
- implant designs
- materials proprieties
- patient selection
- primary and revision settings

---

### Guest Editors

Dr. Filippo Miglioni

Department of Trauma and Reconstructive Surgery, RWTH University Hospital Aachen, Puwelsstrasse 30, 52074 Aachen, Germany

Dr. Jörg Eschweiler

1. Department of Trauma and Reconstructive Surgery, BG Hospital Bergmannstrost, Merseburgerstr. 165, 06112 Halle, Germany  
2. Department of Trauma and Reconstructive Surgery, University Hospital Halle, Ernst-Grube-Str. 40, 06120 Halle, Germany

---

### Deadline for manuscript submissions

closed (15 January 2023)



## Life

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.4**  
**CiteScore 6.0**  
**Indexed in PubMed**



[mdpi.com/si/93204](https://mdpi.com/si/93204)

*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://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)