

Special Issue

Cutting-Edge Innovations in Hip and Knee Joint Replacement

Message from the Guest Editors

Over the past two decades, primary and revision hip and knee replacement surgeries have achieved impressive success rates. However, it is essential to acknowledge that a significant number of patients do not fully benefit from these procedures. In response, the field has seen remarkable innovations designed to enhance outcomes and patient satisfaction. Advances such as enhanced preoperative planning technologies, robot-assisted surgery, patient-specific instrumentation (PSI), custom-made/personalized implants, and the integration of mixed/augmented reality and artificial intelligence (AI) during surgery are being developed to reduce failure rates and improve clinical outcomes. Despite these promising innovations, the greatest challenge remains: none of these advancements have consistently demonstrated a significant improvement in patient satisfaction or reduced failure rates. Our Special Issue will focus on the most prevalent trends in primary and revision hip and knee replacements, evaluating future solutions and the impact of recent technological advancements. We invite you to contribute an original article as well as a review paper to our Special Issue.

Guest Editors

Dr. Matteo Innocenti

Department of Orthopaedics, University of Florence, 50121 Firenze, Italy

Prof. Dr. Roberto Civinini

Department of Orthopaedics, University of Florence, 50121 Firenze, Italy

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

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (JPM), ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

Department of Laboratory Medicine and Pathobiology, Department of Surgery, University of Toronto, 6 Queens Pk Crescent W,F, Toronto, ON M5S 3H2, Canada

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