

Special Issue

Perspectives in Bionic Reconstruction and Post-Amputation Management

Message from the Guest Editors

Advances in surgical techniques, postoperative recovery, and rehabilitation after amputation are now central to modern bionic reconstruction. Progress in Targeted Sensory Reinnervation, Targeted Muscle Reinnervation, Agonist–Antagonist Myoneural Interface, Osseointegration, and regenerative strategies such as Regenerative Peripheral Nerve Interfaces, together with next-generation prosthetic systems, is redefining functional restoration. Contemporary prostheses integrate high-resolution sensors, AI-assisted control, and optimized biomechanical design, enabling more natural motor execution and enhanced sensory feedback. Complementary neurorehabilitation protocols and embodiment-focused training further strengthen long-term outcomes. In this Special Issue, we invite authors to contribute high-quality manuscripts that illuminate current advances and future directions in prosthetic innovation and amputation management.

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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!

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