

Special Issue

Endocarditis of the Heart: An Overview of Current Knowledge on Epidemiology, Pathogenesis, Diagnosis and Treatment

Message from the Guest Editor

Infective endocarditis (IE) is a consequence of the localized or systemic diffusion of pathogens, generally bacteria or fungi, in the heart. Complications of heart valve endocarditis (HVE) develop in approximately 1% to 43% of patients. Staphylococcal contamination increasingly occurs with nosocomial infection, with additional burden brought about by antibiotic multiresistance. The introduction of two vaccines has unfortunately failed to resolve these issues, as they demonstrated a lack of safety and effectiveness in Phase III clinical studies. The biological and immunological mechanisms that determine resistance require further investigation.

Thus, the publication of peer-reviewed clinical and research articles, fostering immunological and pathogenetic-level knowledge, are urgently needed to improve consensus and, consequently, to guide appropriate diagnostic and clinical choices. Papers may address: prevention of infective endocarditis in the 21st century; antibiotic prophylaxis and its effect; diagnosis: imaging and microbiology; and shared multidisciplinary decision-making processes in medical therapeutic orientation.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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