

Special Issue

Congenital Heart Defects: Diagnosis and Personalized Treatment

Message from the Guest Editor

The Special Issue of the "Journal of Personalized Medicine" dedicated to congenital heart defects (CHDs) explores the latest advancements in diagnosis, treatment, personalized care pathways, and heart and brain connection for patients with these conditions. CHDs represent a significant global health concern, affecting approximately 1% of live births annually and encompassing a wide spectrum of structural abnormalities that affect the heart's function from birth. In terms of treatment, the Special Issue highlights the shift towards personalized medicine approaches, which take into account individual genetic makeup, environmental factors, and patient-specific characteristics. Moreover, this Special Issue wants to address the importance of multidisciplinary care teams in managing CHDs throughout the lifespan of affected individuals. It emphasizes the role of coordinated care strategies involving pediatricians, cardiologists, surgeons, geneticists, and other specialists working in tandem to provide comprehensive support.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 25 days after submission; acceptance to publication is undertaken in 5.8 days (median values for papers published in this journal in the second half of 2025).