

Special Issue

Pediatric Hypoplastic Left Heart Syndrome: Diagnosis, Treatment and Management

Message from the Guest Editors

Hypoplastic left heart syndrome (HLHS) is a spectrum of complex congenital left-sided malformations sharing the common feature of an underdeveloped left ventricle, which is inadequate to support systemic circulation.

Pathological entities of HLHS may include variable combinations of mitral atresia or hypoplasia, aortic atresia or hypoplasia, and a hypoplastic or interrupted aortic arch. Treatment options for HLHS are critically dependent on the degree of development of the left ventricle. While severely hypoplastic LV needs single ventricle-staged palliation, mild hypoplasia may allow for biventricular repair. This Special Issue aims to provide a forum for contemporary research focusing on the fascinating and challenging spectrum of HLHS, particularly focusing on novel insights about diagnosis and emerging surgical options. We welcome research focusing on all aspects of diagnosis, treatment, and management of HLHS, from neonatal age to young adults. **Keywords**

- hypoplastic left heart syndrome
- borderline left ventricle
- single-ventricle staged palliation
- left ventricle recruitment
- neonatal cardiac surgery

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Deadline for manuscript submissions

closed (1 November 2024)



Children

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Impact Factor 2.1
CiteScore 3.8
Indexed in PubMed



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You are invited to contribute a research article or comprehensive review for consideration and publication in *Children* (ISSN 2227-9067). *Children* is an open access journal—research articles, reviews, and other content are published online immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. The journal focuses on sharing clinical, epidemiological, and translational science relevant to children's health. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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