



Pediatric Hypoplastic Left Heart Syndrome: Diagnosis, Treatment and Management

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Message from the Guest Editors

Dear Colleagues,

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 resection
- neonatal cardiac surgery

