



Congenital Heart Disease: Diagnosis and Treatment

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Message from the Guest Editor

Dear Colleagues,

Congenital heart diseases (CHD) are the most common congenital defect in live births (the incidence is around 1%). Today, about 85% of CHD patients reach adulthood. Thus, modern pediatric cardiology faces two drastically different types of patients: the neonate with an unrepaired CHD and the adult with a repaired CHD and, eventually, adult-related cardiac and extracardiac diseases.

In this Special Issue, we would like to discuss (1) new software and hardware innovations in imaging of congenital heart disease, illustrated; (2) new surgical and interventional techniques for the treatment and palliation of CHD in infancy, and new options and new devices for the correction of residual defects in adolescent and adult CHD patients; (3) new perspectives and future innovations aimed at improving the care of these patients. We hope that this Special Issue will be a useful, updated tool for modern pediatric cardiologists.

Keywords

- congenital heart disease
- interventional cardiology
- surgery in congenital heart disease
- multimodality imaging
- echocardiography
- augmented reality
- electrophysiology
- 3D printing





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