

Cardiovascular manifestations in down's syndrome p

Rupashi Mukhia

Kathmandu University, Nepal

Abstract

Cardiac malformations in children with Down syndrome significantly contribute to morbidity and mortality, principally in the early years of life. Congenital heart diseases are characteristic and are a frequent cause of birth anomalies with an estimated prevalence of 4 to 5 per 1000 live births. The manifestations are primarily related to endocardial cushion defects, which may vary in severity. These are of major concern in these children as they may lead to complications like failure to thrive, congestive heart failure, and pulmonary vascular disease. In addition, Down's is also associated with ventricular septal defect (VSD), patent ductus arteriosus (PDA), and tetralogy of fallot (TOF). The management of these cardiac abnormalities remains crucial as survival beyond one year of age needs careful cardiology evaluation followed by prompt medical and surgical care. Cardiac malformations in children with Down syndrome significantly contribute to morbidity and mortality, principally in the early years of life. Congenital heart diseases are characteristic and are a frequent cause of birth anomalies with an estimated prevalence of 4 to 5 per 1000 live births. The manifestations are primarily related to endocardial cushion defects, which may vary in severity. These are of major concern in these children as they may lead to complications like failure to thrive, congestive heart failure, and pulmonary vascular disease. In addition, Down's is also associated with ventricular septal defect (VSD), patent ductus arteriosus (PDA), and tetralogy of fallot (TOF). The management of these cardiac abnormalities remains crucial as survival beyond one year of age needs careful cardiology evaluation followed by prompt medical and surgical care.

Received: June 07, 2022; **Accepted:** June 14, 2022; **Published:** June 28, 2022

Biography

Rupashi Mukhia is a doctor by profession and currently works as a medical officer in one of the private hospitals in Nepal. She holds an MBBS

degree from one of the prestigious colleges. She has more than two years of experience in the clinical practice of medicine. She has good research skills and knowledge. She is passionate about medicine and wishes to pursue a residency and fellowship in cardiology.