

## Abstract

**Objective:** The aim of study was to evaluate the heart rate variability (HRV) changes in children operated on for

**Keywords:** Heart rate variability; Congenital heart disease; Heart surgery

## Introduction

Heart rate variability (HRV) is a measure of the variation in time between successive heartbeats. It is a reflection of the autonomic nervous system (ANS) activity. HRV is an important indicator of cardiovascular health and is used to assess the risk of cardiovascular disease. In children, HRV is used to assess the autonomic nervous system activity and to detect autonomic dysfunction. HRV is also used to assess the autonomic nervous system activity in children with congenital heart disease (CHD). HRV is also used to assess the autonomic nervous system activity in children with heart surgery.

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## Methods

The study was conducted in a tertiary care hospital. The study included 54 children with CHD. The children were divided into two groups: 27 children in the control group and 27 children in the study group. The children in the study group were operated on for CHD. The HRV was measured before and after surgery. The HRV was measured using a standard method. The HRV was measured using a standard method. The HRV was measured using a standard method.

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### Discussion

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