



Post-operative outcome of Partial Atrioventricular Canal Repair- in a Pediatric cardiac Center in Bangladesh

Kazi Zahidul Hoque¹, Masumul Gani Chowdhury², Md. Ashraful Islam³, Makbul Hossain⁴,
Md. Mostafizur Rahman⁵

Dhaka Shishu (Children) Hospital, and Institute of Child Health, Dhaka, Bangladesh

Abstract

Background: We assessed the post-operative result of patients who went through surgical repair of partial atrioventricular canal defect and quantify the short-term outcome.

Materials and Methods: This is a perspective study, in our center, where we included children undergoing surgical repair of Partial AV canal defect from 2012 to 2019. Total 70 patients were enrolled in this study. We performed the intracardiac repair and monitor these patient whether they have developed mitral valve regurgitation, any residual defect and immediate post-operative complications and reappearance of symptoms.

Results: During the study period 70 patients were selected and performed intracardiac repair of partial av canal defect and along with mitral valve cleft repair. The median age of repair was 2.8 years. There were no operative death only 1 death after 1 month post operatively due to infective endocarditis, and 2 most-operative wound infection. During our one year follow-up, no reoperation was done. However, 10 patients were detected mild to moderate left ventricular outflow tract obstruction, with minimal symptoms, may require reoperation in future. No patient had post-operative pacemaker implantation. 4 patients were detected mild to moderate mitral valve regurgitation, may need surgery in future. Mean hospital stay was 9 +- 2 days. Our average follow-up periods were 12 months.

Conclusion: Intracardiac repair of partial atrioventricular canal defect is quite good at the median age of 2.8 years with no increased in mortality, re-operation and other complications which were reveal with one year follow-up. Patients will be needed to monitor more to order to quantify the outcome.

Biography

Kazi Zahidul Hoque, Assistant Professor (Consultant) and Unit Chief, Pediatric Cardiac Surgery Unit 2, Dhaka Shishu (Children) Hospital and Institute of Child Health, Consultant, Metropolitan Medical Center, Dhaka 1207, Bangladesh.



4th World Congress on Cardiology and Cardiac Nursing | June 15th, 2020

Citation: Dr. Rabindra Nath Das, Role of Blood Biochemical Components on Cardiac Parameters for Shock Patients, Cardiology Congress 2020, International Conference on Cardiology and Cardio Care, August 21st – August 22nd, 2020, 2020, Page No: 02