

Evaluation of Complications of Heart Surgery in Children With Congenital Heart Disease at Dena Hospital of Shiraz.

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Abstract

INTRODUCTION:

Today, with progress in the field of congenital heart surgery, different complicated actions are done in children. These actions may be associated with several complications, especially open heart surgery in which the cardiopulmonary bypass (CPB) is used. Serious complications can be caused high morbidity and mortality rates. Present study has been performed to determine the incidence of morbidity and mortality in cardiac surgery in children.

METHOD:

In a cross-sectional retrospective, records of 203 patients undergoing surgery for congenital heart disease in Dena hospital during 2013-2015 were reviewed for incidence of complications. Data was analyzed by using descriptive and analytical statistics and using SPSS version 18.

RESULTS:

The mean age of samples was $3/65 \pm 4/47$ years. The majority of samples (73/8%) were undergoing open surgery. The overall adverse cardiovascular complications were respectively, renal complications (44/3%), lung (40/3%), anemia (35/9%), heart (34/4%), gastrointestinal (17/2%), brain (14/2%), need for re-intubation of the trachea 11/3%), infection (7/8%) required reoperation (5/9%) and vascular complications (1/4%).

CONCLUSION:

High incidence of complications after congenital heart surgery makes necessary attention to complications and their treatment after surgery. It is necessary to apply the measures and careful monitoring of patients to minimize these effects.