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Original Research Article

Comparison of the results of pediatric heart surgeries in the pediatric intensive care unit of Shahid Madani Heart Hospital in Tabriz

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ABSTRACT

Introduction: In the present study, the quality and quantity of heart surgeries in cardiac abnormalities, congenital malformations and resulting mortality in one of the important centers of cardiovascular surgery have been studied.

Material and Methods: In this retrospective cohort study, the clinical records of 100 children who underwent surgery in Shahid Madani Hospital (Tabriz University of Medical Sciences) during 2010 to 2021 and were admitted to the intensive care unit were evaluated for surgical results. **Results:** Most deaths in the first ten years were due to complete correction of follow-up tetralogy, followed by repair and replacement of mitral valve, and in the second ten years, most deaths were due to systemic pulmonary shunting, followed by complete correction of follow-up tetralogy. Overall mortality in the second ten years is about 2% lower than in the first ten years.

Conclusion: This statistic is related to the total population of patients with congenital heart defects in this country and in our country there are no accurate statistics on the total number of deaths from congenital heart defects and the statistics of this study are related to patients who underwent surgery during 10 The year is in this center. In the end, it is hoped that in the near future we will see surgery to completely correct congenital heart defects at ideal ages along with planning to reduce patient mortality in the country

Keywords: pediatric heart surgeries, intensive care unit, results