

## عنوان مقاله:

Prevalence of congenital heart disease in newborns with respiratory distress and cyanosis in a tertiary care hospital in Birjand, Iran during ۲۰۱۶

## محل انتشار:

مجله جراحی و تروما، دوره 7، شماره 1 (سال: 1397)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

Introduction: Congenital heart disease (CHD) occurs in about ۸ cases per ۱,۰۰۰ live births and is responsible for ۳۰% of all neonatal deaths. The reportedly high prevalence of CHD underscores the necessity of the implementation of local evaluations and screening programs in order to plan for appropriate interventions. Regarding this, the present study was performed to determine the prevalence of CHD and its associated risk factors among the newborns with respiratory distress and cyanosis admitted to Vali-e-Asr Hospital in Birjand, Iran, in ۲۰۱۶. Methods: This cross-sectional analytical study was conducted on the records of ۱۹۹ neonates admitted to the Neonatal Unit of Vali-e-Asr Hospital due to respiratory distress and cyanosis in ۲۰۱۶. The data were collected using a predesigned form covering such information as gender, type of delivery, and gestational diabetes. Data analysis was performed in SPSS software (version ۲۲) using the Chi-squared test. P-value less than ۵% was considered statistically significant. Results: Out of the ۱۹۹ neonates enrolled in this study, ۱۶۸ (۸۴.۴%) cases suffered from CHD. Patent ductus arteriosus (PDA) was the most common anomaly among the neonates (n=۸۵, ۵۰.۵%), followed by atrial septal defect (n=۴۱, ۲۴.۴%), ventricular septal defect (n=۳۶, ۲۱.۴%), transposition of great arteries (n=۴, ۲.۲%), and other complex heart anomalies (e.g., shone complex; n=۲, ۱.۱%), respectively. The results revealed that the presence of CHD, especially PDA, in neonates was associated with their parental interfamily marriage (P=۰.۰۲۴). Conclusions: The high prevalence and mortality of CHD necessitate the control of premarital and preconception potential risk factors (e.g., inter-family marriage) and preparation for the implementation of effective interventions for neonates with respiratory distress and cyanosis.

## کلمات کلیدی:

Congenital, Cyanosis, Heart defects, Newborn, Prevalence, Respiratory distress syndrome

لینک ثابت مقاله در پایگاه سیویلیکا:

