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Congenital heart diseases among the hospital live birth in Bangladesh: A retrospective study in a tertiary medical college hospital

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Congenital cardiac disease is a common problem experienced in medical practice. Many studies have been carried out worldwide, showing incidence variation in different parts of the world as 5-10/1000 live birth. In Bangladesh, a mere study was done in this respect. This retrospective study was conducted from the records preserved in hospital register, compiled by the author from pediatric cardiology and obstetric department over a period of 4 years extends from 2010-2013 in Sir Salimullah Medical College Hospital. 6520 cases of live births weighing more than 1500 gm and age over 28th weeks of gestational period were recorded by clinical examination and echocardiography with color Doppler. This study showed that 196 babies out of 6520 live births had CHD as 30/1000 live births. Study also expressed that higher incidence of CHD in preterm baby than full term baby. Amongst the congenital Heart lesions, Atrial Septal Defect, Ventricular Septal Defect, Patent Ductus Arteriosus, Tetralogy of Fallot's, TGA were commonest having 20.41%, 13.78%, 10.71%, 8.67% and 4.59% respectively. 15.81% of the patients had other associated somatic anomalies among which down syndrome was the commonest (7.14%). CHD of various patterns deserves crucial challenge among the newborns for management in Bangladesh. Various factors like high maternal age, drugs intake, antenatal infection, family history, gestational DM, down's syndrome, mother having SLE are related to these diseases. Further, appropriate research can be accomplished taking large relevant sample gathering from different tertiary medical college hospitals to reveal actual scenario to prevent and treat the diseases.

Biography

Md Sazid Rezwan is a 5th year medical student studying in Sir Salimullah Medical College, Bangladesh. He is doing his MBBS under renowned cardiologist of Bangladesh and has a fascination for research in Cardiology as well as Neuro-surgery since his early classes. He is doing some researches under renowned professor and has a great achievement in extracurricular activities. He has been serving as an ambassador of different student research conferences. He is the session winner of 23rd ESC of Public Health. He has attended more than 10 undergraduate research conferences both locally and internationally.

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