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Congenital heart diseases among the hospital live birth in Bangladesh: A retrospective study in national institute

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Congenital cardiac disease is not uncommon in daily 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 cardiac surgery department over a period of 4 years extends from 2010-2013 in National Institute of Cardio Vascular Diseases Hospital. 6520 cases of live births weighing more than 1500gm 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 was observed in preterm baby than full term baby. Among 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. Moreover, 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

S M Tajdit Rahman is a Resident Thoracic Surgeon of National Institute of Bangladesh. He has completed his MBBS from Sir Salimullah Medical College, Bangladesh and has a fascination for research in cardiac and thoracic diseases. He is doing research under renowned professors and has a great achievement in extracurricular activities. He is the Convener of first ever biomedical conference for students in Bangladesh. He has attended more than 15 national and international conferences.

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