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# Mitral valve disease in children below five years of age

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This study was carried out on 40 patients who had mitral valve disease. Their ages ranged from 2 months to 5 years. They were 22 females and 18 males. All patients were chosen from the cardiology clinical of the new pediatric hospital, Cairo University in a period of six months. The patients were divided into two main groups: 1-congenital mitral valve disease group. 2-Acquired rheumatic valve disease group. All patients studied were subjected to general and local clinical examination for diagnosis and evaluation of the type and extent of the mitral valve disease. Some laboratory investigations as E.S.R, ASOT and CRP were done to confirm the rheumatic cause of mitral valve disease in suspected patients. Egg and chest radiography were carried out for all patients to confirm the diagnosis. Combined M-mode, two dimensional and Doppler echocardiography were also performed to identify the mitral valve lesion and other associated cardiac defects. Congenital mitral valve disease group included 30 patients 75%, 16 females and 14 males and their ages ranged from 2 months to 5 years. Congenital mitral regurgitation was diagnosed in 10 patients 25%, 6 males and 4 females and their age ranged from 2 months to 5 years.