



> MainPage

> About Us

> News

> PhotoAlbum

> E-Learning

> Services

> Staff web sites

> Conferences

> Student

> Researches

> Courses

> Files

> Favorite Links

> Awards

Visits Of this Page:21



## Research Details :

Research Title : DO PRENATAL INTRACARDIAC ECHOGENIC FOCI AFFECT POSTNATAL CARDIAC FUNCTION

DO PRENATAL INTRACARDIAC ECHOGENIC FOCI AFFECT POSTNATAL CARDIAC FUNCTION

Descriptipn : Objective. To determine whether prenatally diagnosed intracardiac echogenic foci are associated with neonatal cardiac dysfunction and persistence. Methods. Fetuses in whom intracardiac echogenic foci were shown on prenatal sonography at 1 perinatal center from (July 2005 to September 2006) underwent postnatal echocardiography at ages 1 month to 1 year. A single pediatric cardiologist assessed cardiac function by measuring the left ventricular shortening fraction and myocardial performance index. The presence of tricuspid valve regurgitation was also sought. Results. Prenatally 12 fetuses with a mean age at diagnosis of  $25 \pm 3.1$  years (mean  $\pm$  SD) had intracardiac echogenic foci. 9 (75%) had left ventricular intracardiac echogenic foci, and 3 (25%) had right ventricular intracardiac echogenic foci. Post natally , those infants, 7(58%) males and 5 (42%) females were examined. at a mean age  $\pm$  SD of  $8.2 \pm 4.1$  months. . Prenatally, all infants had a normal left ventricular shortening fraction. The overall mean left ventricular myocardial performance index (reference value,  $0.36 \pm 0.06$ ) was normal for both infants with left ventricular intracardiac echogenic foci ( $0.34 \pm 0.06$ ) and those with right ventricular intracardiac echogenic foci ( $0.33 \pm 0.04$ ). Trace tricuspid valve regurgitation was noted in 6 (50%) of the infants. Left ventricular intracardiac echogenic foci persisted in 7 infants (77%), whereas right ventricular intracardiac echogenic foci persisted in 1 infant (33%). Conclusions. Prenatally diagnosed intracardiac echogenic foci can be persistent but is not associated with left myocardial dysfunction in the first year of life

Research Type : Article

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Type

Description