

Fetal cardiac anomalies: Review of mmm experience

JVimala

Department of Paediatric Cardiology, Institute of CardioVascular Diseases, The Madras Medical Mission, Chennai, India

Correspondence: JVimala, Department of Paediatric Cardiology, Institute of CardioVascular Diseases, The Madras Medical Mission, Chennai 600037, Email vimalajesudian@gmail.com

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Over the last year 77 subjects underwent fetalechocardiogram (ECHO) examination. 62% [n=48] were reported to be normal and 22% were detected to have single echogenic focus with no other abnormalities. About 15% [n=12] were detected to have structural defects including one with rhythm disturbances. One baby was diagnosed with right pulmonary artery to LA window at 6 months of gestation and was

followed up immediately after delivery and underwent transcatheter PALA window/fistula closure at three and a half months of age using 5/4 mm ADO II device. Another baby antenatally diagnosed to have aorta right atrial tunnel [coronary – RA fistula] was delivered and post natally followed up and planned for transcatheter closure of the fistula.

Month	Total	Normal study	Echogenic focus	Structural defects
June 2016	08	06	01	1 [TOF/RAA]
July	11	06	04	1 [HRH+IVS]
Aug	07	05	01	1 [Cor. Fistula]
Sept	06	02	02	2 [ARSA, VE]
Oct	08	06	00	2 [VSD, TOF]
Nov	06	05	00	1 [VSD]
Dec	04	01	01	2 [PA+IVS, RAE, RVE]
Jan 2017	07	04	03	0
Feb	01	01	00	0
Mar	06	04	01	1 [PALAF]
Apr	04	02	02	0
May	04	03	00	1 [Heterotaxy + AVCD]
June	05	03	02	0
TOTAL	77	48 [62.33%]	17[22%]	12 [15.5%]

MONTH	Total ECHO	Normal study	Echogenic focus	Complex lesions
January	00	00	00	00
February	03	02	01	00
March	10	06	04	00

(Table continue..)

April	03	00	01	02[TGA,TR]
May	08	05	03	00
June 2016	08	06	01	1 [TOF/RAA]
July	11	06	04	1 [HRH+IVS]
Aug	07	05	01	1 [Cor. Fistula]
Sept	06	02	02	2 [ARSA,VE]
Oct	08	06	00	2 [VSD,TOF]
Nov	06	05	00	1 [VSD]
Dec	04	01	01	2 [PA+IVS, RAE,RVE]
	74	44	18	12
Jan 2017	07	4	3	0
Feb	01	1	0	0
Mar	06	4	1	1 [PALAF]
Apr	04	2	2	0
May	04	3	0	1 [Heterotaxy + AVCD]
June	05	3	2	0
TOTAL	27	17	8	2

Key: TOF – Tetralogy of Fallot, RAA – Right Aortic Arch, HRH – Hypoplastic Right Heart, IVS – Intact Ventricular Septum, ARSA – Aberrant Right Subclavian Artery, VE – Ventricular Ectopics, VSD – Ventricular Septal Defects, RAE – Right Atrial Enlargement, RVE – Right Ventricular Enlargement, PALAF – Pulmonary Artery To Left Atrial Fistula, AVCD – Atrio Ventricular Canal Defect