International Journal Dental and Medical Sciences Research
Volume 3, Issue 4, July-Aug 2021 pp 390-391 www.ijdmsrjournal.com ISSN: 2582-6018

Case Report of Bicuspid Aortic Valve with Coarctation of Aorta

Dr Aditya Bhatt [1], Dr Sujeet Chaudhari [2], Dr Panna Patel [3], Dr Vijay Shah [4]
1 resident, department of pediatrics, gmc surat
2 assistant professor , department of pediatrics, gmc surat
3 associate professor , department of pediatrics, gmc surat
4 professor and head , department of pediatrics, gmc surat

Submitted: 20-07-2021 Revised: 29-07-2021 Accepted: 31-07-2021

I. INTRODUCTION

Bicuspid aortic valve (BAV) is a common congenital heart defect with a prevalence of 1–2% and most commonly BAV is found in males with a rate of 1:2 varying to 1:4 (1-5). However, CoA with BAV can as well often be found in complex and genetic lesions with Turner or Williams-Beuren Syndrome.

II. METHOD

A 7 day old Female home delivered patient was admitted in NICU with complaint of respiratory distress. On examination patient had shield chest with widely spaced nipples with tachycardia of HR 200/min with Respiratory rate of 95/min with spo2 of 82% with continuous murmur in parasternal region. Pt was kept under ventilatory care with normal hemogram and CXR s/o cardiomegaly. 2D echo was done which was s/o with severe CoA with anterior muscular VSD with bicuspid aortic valve with severe LV dysfunction. Karyotyping was done which was normal. Immediate surgical management was adviced but pt took DAMA.

III. DISCUSSION

BAV is the most common CHD, however only about 7% of patients with BAV have a concomitant CoA. Surgical and nonsurgical intervention maybe done.

IV. CONCLUSION

Individuals with coarctation of the aorta have historically had poor long-term outcomes with a mean life expectancy of 35 years. Natural history studies demonstrated 90% of individuals dying before age 50 years despite intervention.