

MEETING ABSTRACT

Open Access

Importance of anatomic variations in secundum ASD: residual ASD detected on postoperative 31st year

Ufuk Yetkin*, Nihan Karakaş, Mehmet Balkanay, Ali Gürbüz

From World Society of Cardiothoracic Surgeons 25th Anniversary Congress, Edinburgh
Edinburgh, UK. 19-22 September 2015

Background/Introduction

Secundum ASD is the most common congenital defect seen in adulthood. Anatomical variations are the most important factors in decision making of surgical procedure.

Aims/Objectives

Our case was 57 year-old male. He underwent secundum ASD repair 31 years ago. His complaint was progressive dyspnoea and for about 1 year.

Method

Transthoracic echocardiography revealed residual ASD and transesophageal echocardiography showed that this ASD is a patch tear close to the orifice of inferior vena cava in size of 15x6 mm. Coronary angiography and cardiac catheterization were performed and results were normal. Cavity sizes and pulmonary artery pressure were normal.

Results

He was taken to operation, pericardium was very adherent and epicardium was cleaned with gentle dissection. Inferior vena cava cannulation was performed and the cannula was misguided to left atrium transeptally, it was detected by the help of blood color and cannula was redirected to IVC by special stretching manœuvre. Under total cardiopulmonary bypass fossa ovalis type secundum ASD was explored and there was no patch component. An untouched sinus venous type ASD in size of 10 × 15 mm near IVC was detected and repaired with prolene sutures supported with teflon pledget. Successful decannulation and hemostasis after optimal deairing and residual ASD check, operation was terminated. No early or late complication

was seen postoperatively and TEE showed no residual ASD.

Discussion/Conclusion

We suggest that secundum ASD should be evaluated carefully especially by young surgeons as it may have anatomical variations and different localizations.

Consent

Written informed consent was obtained from the patient for publication of this Case report and any accompanying images. A copy of the written consent is available for review by the Editor-in-Chief of this journal.

Published: 16 December 2015

doi:10.1186/1749-8090-10-S1-A225

Cite this article as: Yetkin et al.: Importance of anatomic variations in secundum ASD: residual ASD detected on postoperative 31st year. *Journal of Cardiothoracic Surgery* 2015 **10**(Suppl 1):A225.

Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at
www.biomedcentral.com/submit



Department of Cardiovascular Surgery, Katip Celebi University Izmir Atatürk Training and Research Hospital, Izmir, Turkey



© 2015 Yetkin et al. This is an Open Access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/4.0>), which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated.