

IS SLIM BETTER THAN PAUNCHY?

Bayard Gontijo¹ and Fernanda Lübe Antunes Pereira¹

¹Biocor Institute

June 30, 2021

Abstract

Aorto-Pulmonary Mismatch (APM) in Transposition of the Great Arteries (TGA) may be accountable for dilatation of neo-aortic root and regurgitation of neo-aortic valve as late complications of ASO. The manuscript from Arcieri et al. highlights an important aspect about ASO technique: should we approach APM during ASO and what would be the best strategy to do so? Techniques to approach APM at the time of ASO have been published sporadically and are very rarely employed by surgeons. Reconstruction of the neo-aorta is generally achieved by trimming of the suture line between pulmonary root (neo-aortic root) and ascending aorta resulting in an abnormal dilated and bulky neo-aortic root already at the time of ASO. Reduction of the pulmonary root dimension by resection of a fragment of the pulmonary artery wall possibly results in a more homogenous neo-aorta with consequent better hemodynamics. We believe that approaching APM during ASO will have a compelling positive impact in the late survival of the patients with complex TGA.

Hosted file

IS SLIM BETTER THAN PAUNCHY.doc available at <https://authorea.com/users/422843/articles/528465-is-slim-better-than-paunchy>