Anagnostopoulos Commentary

Commentary: What can be learned from a case report, or the importance of a well-rounded education



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Disclosures: Author has nothing to disclose with regard to commercial support.

Received for publication July 16, 2019; accepted for publication July 17, 2019; available ahead of print Aug 14, 2010

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J Thorac Cardiovasc Surg 2020;159:e343

0022-5223/\$36.00

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Ouadricuspid aortic valves (OAVs) are very rare but have been well described since the early 1970s. Even less recognized but documented is the association of QAVs with a potential congenital structural aortopathy. In the largest series of QAVs to date, 42% of patients had ascending aortic diameters greater than or equal to 4 cm.2 Most patients with QAVs present with aortic insufficiency, aortic stenosis, or a combination of these. In this issue of the Journal, Xu and associates³ report on a 35-year-old woman who presented with a QAV associated with a ruptured sinus of Valsalva aneurysm. A tricuspidization procedure was performed, with resection of the smaller ruptured right anterior sinus of Valsalva with the associated cusp, with a great clinical outcome. Time will tell whether this will lead to a durable long-term result. Although the technique of tricuspidization is well described in QAVs, it was first applied in truncus arteriosus repair. Information regarding the longterm outcomes after these repairs in truncus arteriosus exists in the congenital literature.⁵

This interesting report underscores the importance of well-rounded surgical training and education, with exposure to complex repair techniques of different acquired and congenital heart pathologies. One simply never knows when the patient will show up who is a great candidate for an unusual repair technique that uses principles that have been described in a totally different setting. This becomes ever more important as trainees are asked to master



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Central Message

A well-rounded training program that exposes trainees to a breadth of experience may come in handy when coming across a lesion that requires an unusual repair.

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new technologies or to focus on a niche in adult cardiac surgery to remain competitive in the marketplace. Such subspecialty focus typically occurs at the expense of hands-on time and exposure to congenital heart surgery.

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