
Valve-sparing aortic root replacement in a patient

Posted by awalk - 2007/04/24 23:17

Dilation of the aortic root and the ascending aorta is a well-known cardiovascular manifestation in pediatric patients with underlying connective tissue disorders,¹ often leading to aortic valve incompetence and to aortic dissection risk. The Bentall procedure, a preventive operation, is a low-risk operation with considerably durable outcomes.¹ Alternatively, other more conservative techniques have been proposed: aortic root remodeling and reimplantation.^{2,3}

Arterial tortuosity syndrome (ATS) is a rare condition with an autosomal recessive inheritance characterized by tortuosity, elongation, stenosis, and aneurysm formation in the major arteries.⁴ Approximately 35 patients from 21 families have been reported thus far worldwide. This is the first case ever reported in the literature of a patient with ATS undergoing aortic root surgery with sparing of the aortic valve. For the full Article [Click here](#)

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