Early dysfunction of a tricuspid valve-in-valve replacement due to papillary muscle overgrowth

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Received 18 August 2015; accepted 3 September 2015

Keywords: Valve-in-valve • Tricuspid replacement • Papillary muscles • Regurgitation

We present an explantation image of an off-label transcatheter placed valve-in-valve Edwards Sapien in a Carpentier-Edwards Perimount Magna Ease aortic bioprosthesis (Edwards Lifesciences, Inc., Irvine, CA, USA) in the tricuspid position (Fig. 1). The valve was placed 1 year and 9 months before in an extremely frail patient with a complex cardiac surgical history due to an atrial septum defect type primum (Preoperative echocardiography can be seen in Video 1).

Figure 1: Impression of a commissure of the Sapien valve due to a right ventricular papillary muscle that became attached causing the valve regurgitation.

Video 1: Preoperative transthoracic biplane colour Doppler view of the Sapien valve in the tricuspid position 1 year after placement displaying severe valvular regurgitation without a clear cause.