

Circumferential membrane-like aortic dissection with intimo-intimal intussusception

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Although the intimal tears in type A aortic dissections are usually transverse, the intimo-intimal intussusception is an unusual type of acute aortic dissection in which the intimal tear occurs circumferentially.^{1,2} Aortography may be suboptimal given that a circumferential dissection flap may not be clearly seen.³ It can be also misdiagnosed as a perforated membranous type supraaortic stenosis.¹ A 65-year-old man presented with sudden onset severe chest pain. On emergency bedside echocardiography, ascending aortic aneurysm with severe aortic regurgitation was reported without evidence of aortic dissection appearance. Aortic angiogram showed circumferential membrane-like dissection flap with severe aortic regurgitation (Fig. 1). At operation, a well-defined demarcation was noted and a circumferential intimal tear was identified. Aortic root replacement with the Yacoub/ David techniques were performed; the patient had an uncomplicated postoperative course.

Appendix A. Supplementary data

Supplementary data associated with this article can be found in the online version.

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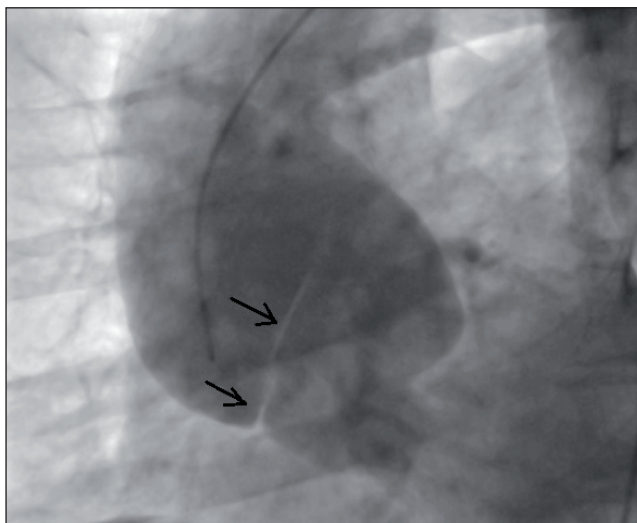


Fig. 1 – Aortic angiogram shows a circumferential membrane-like dissection flap (arrows).

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