

# Rupture and elongation of the left coronary aortic leaflet as a result of *Escherichia coli* infective endocarditis

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Aortic valve endocarditis is rather common in our setting. Structural alterations of the aortic leaflets become mandatory to indicate surgical treatment. Leaflet perforation is quite ordinary, whereas perforation associated to elongation is pretty weird. We present herein some images obtained from a patient underwent operation by *Escherichia coli* infective endocarditis.

**Key words:** Aortic valve; Aortic valve regurgitation; Endocarditis.

La endocarditis de la válvula aórtica es algo común en nuestro medio. Alteraciones estructurales en las valvas aórticas son frecuentemente indicaciones para cirugía. La perforación de las valvas es bastante frecuente, mientras que la elongación asociada con perforación es más bien rara. Presentamos imágenes de caso de un caso operado por endocarditis infecciosa por *Escherichia coli*.

**Palabras clave:** Válvula aórtica; Válvula aórtica, insuficiencia; Endocarditis.

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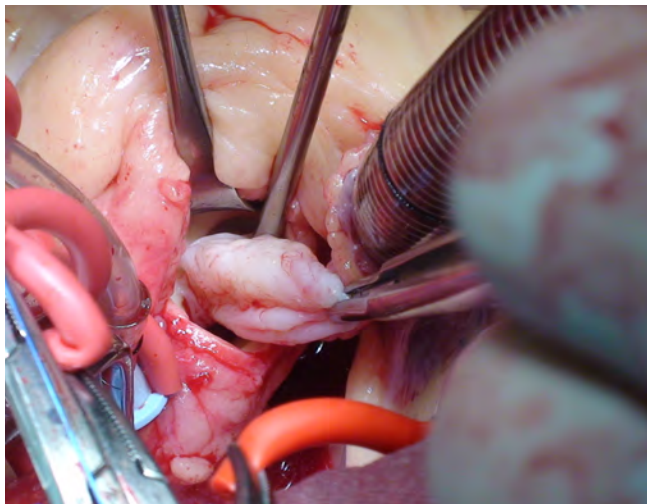


Figure 1. Elongation of the left coronary leaflet of the aortic valve.

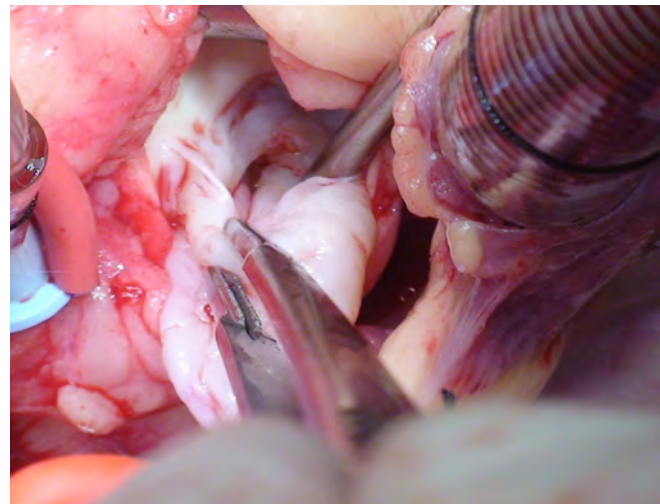


Figure 2. Elongation and rupture of the same aortic leaflet.

We present a case of a 18-year-old male operated on by *E. coli* infective endocarditis. Operation was performed as usual by median sternotomy and

on cardiopulmonary bypass. Intraoperative findings were elongation of the left cusp, which seemed to be the origin of the vegetative growth seen preoperatively on transthoracic echocardiogram. After total excision of the aortic valve and debridement, a mechanical prosthetic valve size 21mm was successfully implanted.

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