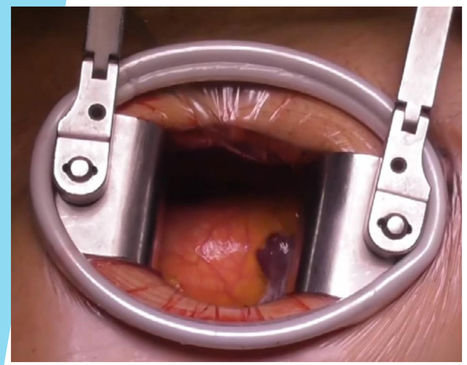
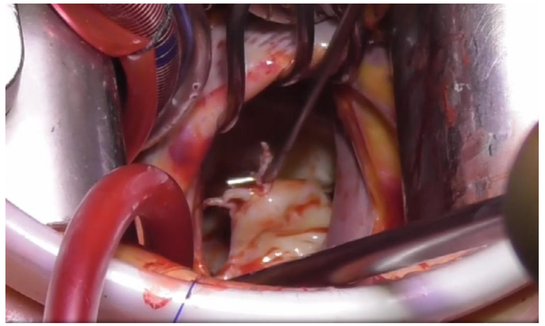
Combined Valve And Ascending Aorta Procedure Through Right Anterolateral Minithoracotomy

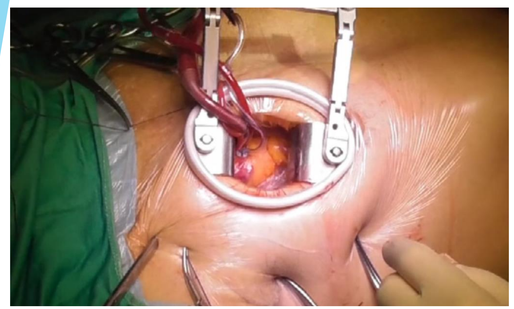
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BACKGROUND: Nowadays minimally invasive cardiac surgery treats different type of valve and ascending aorta diseases, sometimes even combined. In our video, we show a combined procedure of mitral valve repair (MVR) and Bentall operation through a right anterior minithoracotomy (RAT).



RESULTS: The good result of the procedure is showed by intraoperative transesophageal echocardiography. The operation and hospital stay were uneventful.
CONCLUSIONS: After more experience and sufficient studies proving the effectiveness, RAT could become the routine approach for valve operations, even when combined with ascending aorta surgery.



METHODS: A young male patient, with no significant comorbidities, was selected as a candidate for the procedure. After RAT approach, cardiopulmonary bypass was ensured with central arterial cannulation and percutaneous venous cannulation. MVR was performed first, we implanted a pair of artificial chordae tendineae on P2 and a semi-rigid annuloplasty ring, thereafter a modified Bentall operation by implanting a preformed mechanical valved-graft was carried out.

