

[Repair of post-infarction left ventricular wall ruptures by biological glue and a flap from the pericardium. Results from 2 to 10 years].

[French]

Authors: Hvass U, Chatel D, Assayag P, Juliard JM, Caliani J, Oroudji M, Pansard Y

Publication Date: 1996

Abstract:

The authors report their experience with a simple and efficient technique for repair of left ventricular free wall rupture complicating myocardial infarction. The technique consists, with the aid of cardiopulmonary bypass, in suturing a plaque of the patients own pericardium (6 to 8 cm in diameter) to the more normal tissue encircling the pathologic myocardium, and by injecting five ml of human fibrin glue as a cement under the pericardium to reinforce the remair and prevent leaking throughout the suture line. With a 10 year follow-up, we are able to be confident with the long term results. The five patients, at the time of operation were aged 46 to 74 years. The post-operative results and the annual echocardiographic controls have proved the technique to be sound without recurrences and without late complications such as pseudo aneurysms at the site of the repair.