

# **Repair of left ventricular wall rupture after myocardial infarction by biological glue and plaque of pericardium. [French]**

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## **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 repair and prevent leaking through 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 proven the technique to be sound without recurrences and without late complications such as pseudo aneurysms at the site of the repair.