

# **Surgical repair of left ventricular free wall rupture using layered fibrin glue sheet and fibrin glue; report of a case. [Japanese]**

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## **Abstract:**

A 57-year-old man with acute myocardial infarction (#13:90%, #6-#8:75%) was admitted to our hospital after the administration of tissue plasminogen activator. Three hours' after emergent percutaneous transluminal coronary angioplasty, he developed left ventricular free wall rupture in the left circumflex artery area. After bleeding was completely controlled by aortic cross clamping, a three-layered of fibrin glue sheet (TachoComb) with fibrin glue was extensively applied to the ruptured site including the infarcted area. He was discharged on the 25th postoperative day and underwent coronary artery bypass grafting to the left anterior descending artery three weeks later. This experience suggests that the layered TachoComb and fibrin glue are effective for left ventricular free wall rupture.