

[gw22-e1027]

**CLINICAL ANALYSIS OF 30 CASES OF
CARDIAC RUPTURE IN PATIENTS WITH ACUTE
MYOCARDIAL INFARCTION**

Xiao-ying Wu, Yu-jie Zhou, Yan-fang Li, Xiao-ling Zhu *Beijing An Zhen Hospital, Capital Medical University, Beijing, China*

10.1136/heartjnl-2011-300867.386

Objective To analyse the characteristics, early diagnosis, and the suitable therapy of cardiac rupture (CR) in patients with acute myocardial infarction (AMI).

Methods 1526 consecutive cases of AMI from March 2002 to March 2010 were selected. Combining coronary angiography, 30 cases occurred CR that confirmed by echocardiogram or pericardiocentesis were analysed.

Results (1) Patients with CR were older than those without CR. The incidence of CR in female were significantly higher than that in male. (2) Patients who accompanied with hypertension, diabetic mellitus, abnormal renal function were more likely to occur CR. (3) The incidence of CR in anterior infarction group was significantly higher than that in inferior infarction group and non-ST elevated infarction group. (4) Patients who accompanied with enlarged LVEDD, EF less than 50% and LAD lesion especial LAD ostium also LAD accompanied three vessel lesion were more likely to occur CR. (5) Patients with successful reperfusion were significantly less likely to occur CR. **Conclusion** The prognosis of CR after AMI were poor. Patients who were female, older and who were with anterior infarction or severe LAD lesion, delayed reperfusion were more likely to occur. Bedside UCG is useful for early diagnosis and successful reperfusion could reduce the incidence of CR. Surgical therapy can improve the survival rate of CR patients.

Heart

Clinical analysis of 30 cases of cardiac rupture in patients with acute myocardial infarction

Xiao-ying Wu, Yu-jie Zhou, Yan-fang Li and Xiao-ling Zhu

Heart 2011 97: A133

doi: 10.1136/heartjnl-2011-300867.386

Updated information and services can be found at:
http://heart.bmj.com/content/97/Suppl_3/A133.1

Email alerting service

These include:

Receive free email alerts when new articles cite this article. Sign up in the box at the top right corner of the online article.

Topic Collections

Articles on similar topics can be found in the following collections

[Drugs: cardiovascular system](#) (8842)
[Interventional cardiology](#) (2933)
[Hypertension](#) (3006)
[Acute coronary syndromes](#) (2742)
[Clinical diagnostic tests](#) (4779)

Notes

To request permissions go to:
<http://group.bmj.com/group/rights-licensing/permissions>

To order reprints go to:
<http://journals.bmj.com/cgi/reprintform>

To subscribe to BMJ go to:
<http://group.bmj.com/subscribe/>