Abstracts

THROMBOLYTIC APPLICATION OF RETEPLASE AND THE CHANGE OF PULMONARY ARTERIAL PRESSURE IN PULMONARY EMBOLISM

Zhaochuan Liu, Junling Wang  No.252 Hospital of PLA

Objective To study the thrombolytic application of reteplase and the change of pulmonary arterial pressure in patients with the significant pulmonary embolism.

Methods Patients who were confirmed by 320 row helical CT whose pulmonary embolism was more than segmental. 20 mg diluted reteplase was given interval of 30 min 2 times by slow bolus. The changes of blood coagulation, clinical symptoms in patients were observed, as well as the pulmonary arterial pressure.

Results In 15 PE patients with male to female ratio of 4 (12/3), within 24 h after the reteplase thrombolysis, the patients with chest pain, dyspnoea relief were in 12 cases (80%); 2 h after thrombolysis, patients with cerebral haemorrhage was in 1 case (6%); 1 week after, the patients with the revascularisation prompted by pulmonary artery imaging were 12 (80%). The pulmonary artery pressure was observed by echocardiography in patients with pulmonary embolism, pulmonary arterial hypertension in patients before thrombolytic therapy were in 8 cases (53%), within 48 h after reteplase thrombolysis, the marked decline in patients with pulmonary hypertension, with a statistically significant difference (p<0.05).

Conclusions In patients with more than segmental pulmonary embolism by the 320-row spiral CT imaging, reteplase
thrombolysis was safe and effective, and could relieve symptoms and pulmonary vascular recanalisation rate. In pulmonary embolism patients with pulmonary hypertension, the pulmonary vascular recanalisation by thrombolysis can reduce the pulmonary arterial pressure.
Thrombolytic application of reteplase and the change of pulmonary arterial pressure in pulmonary embolism
Zhaochuan Liu, Zhaochuan Liu and Junling Wang

*Heart* 2011 97: A188-A189
doi: 10.1136/heartjnl-2011-300867.552

Updated information and services can be found at:
http://heart.bmj.com/content/97/Suppl_3/A188.3

These include:

**Email alerting service**
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

- Venous thromboembolism (495)
- Clinical diagnostic tests (4779)
- Hypertension (3006)
- Drugs: cardiovascular system (8842)
- Echocardiography (2127)

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/