

## ABSTRACTS

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**Objectives** To evaluate the therapy effect of the combination of thrombus-sucking catheter and Tirofiban intra-coronary injection in acute PCI.

**Methods** 125 acute coronary infarction patients who had undertaken Coronal Artery Angiography (CAG) were divided into two groups (group A and groupB). Patients in group A were received more treatments of sucking 3–4 times by thrombus-sucking catheter and injecting Tirofiban 10–20 ml within coronary before stent implantation, while patients in group B were only stent implantation. Then there are comparisons between the two groups in items as following: the recovery rate of coronary blood perfusion during operation; the MBG ranks of cardiomyocyte chromosome, the decreasing rates of ST segment; the main adverse cardiac events (MACE)((including cardiac death revascularisation therapy once more and secondary onset of cardiac infarction, within 30 days, and the severe haemorrhage incidents occurred in hospital.

**Results** Although the conditions of patients in group A were more severe than in group B according to killip ranks of heart function and the assessments of the usages of intra-aortic balloon pump (IABP):group A is better than group B in the recovery rates of coronary blood perfusion to TIMI 3 and MBG 3 and the decreasing rates of segment, and those differences are significant ( $p<0.05$ ). The occurrence rates of MACE within 30 days in group A is lower than in group B but the result has no significance; and the rates of severe haemorrhage incidents in group A is no more than in group B.

**Conclusions** The combination of thrombus-sucking catheter and Tirofiban intra-coronary injection in acute PCI, could improve the recovery rates of coronary blood perfusion, decrease the non-perfusion rate and ameliorate cardiac reperfusion without augmenting the occurrence rates of severe haemorrhage incidents.

GW23-e2360

### THE APPLICATION OF THROMBUS SUCKING CATHETER COMBINED WITH TIROFIBAN INTRA-CORONARY INJECTION IN ACUTE PCI

doi:10.1136/heartjnl-2012-302920k.26