

[gw22-e0238]

**THE VALUE OF 320-SLICE DYNAMIC VOLUME MDCT ON IN-STENT RESTENOSIS IN PATIENTS WITH CORONARY STENT IMPLANTATION**

Zhu Ke, Long Jianjun, Qiang Fu, Wu Qiang *Department of Cardiology, Xuzhou Central Hospital, Xuzhou, China*

10.1136/heartjnl-2011-300867.398

**Objective** To assess value of volume 320-row CT on in-stent restenosis (ISR) in patients with coronary stent implantation.

**Methods** The clinical data of 81 patients after coronary percutaneous intervention (PCI) were analysed. The sensitivity, specificity, positive predictive value, negative predictive value of volume 320-row CT for diagnosis of ISR were calculated compared to coronary angiography (CAG), the gold standard for coronary heart disease.

**Results** The sensitivity, specificity, positive predictive value, negative predictive value were 94.8%, 98.1%, 92.5% and 98.73% respectively for volume 320-row CT diagnosis of ISR.

**Conclusion** Volume 320-row CT had a higher positive predictive value for the diagnosis of ISR, it can be applied to followed-up of coronary stent restenosis after coronary stent implantation.