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

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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.