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Cover title: Optimized categorization algorithm of CACS on non-gated chest low-dose CT screening using IMR technique

Key words: Computed tomography ； Coronary artery calcium score; Cardiovascular disease

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Abstract

Objectives To investigate the optimized categorization algorithm of coronary artery calcification score (CACS) for more accurate risk assessment on non-gated chest low-dose CT (LDCT) screening using iterative model reconstruction (IMR) technique.

Methods We enrolled 102 patients who required coronary artery CTA examination and had coronary artery calcification (CAC) in this study. The

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