**COMPARISON AORTIC DISSECTION DETECTION RISK SCORE AND D-DIMER IN DIAGNOSIS OF ACUTE AORTIC DISSECTION**

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*Background*: The aortic dissection detection (ADD) risk score has been proposed for detecting acute aortic dissection (AD). D-dimer alone has good diagnostic performance in AD. D-dimer alone could be better diagnostic performance than ADD risk score.

*Methods*: Patients from single center with suspected AD were retrospectively gathered from January 2012 to October 2015. The ADD risk score was calculated using retrospective blinded chart review. ADD risk score >1 was applied as cutoff. For D-dimer, a cutoff of 1µg/ml was applied.

*Results*: AD was diagnosed in 105 of 162 (64%). The sensitivity, specificity, AUC (area under curve) of ADD risk score were 86.7%, 33.3%, 0.61 respectively. The sensitivity, specificity, AUC of D-dimer were 91.4%, 33.3%, 0.81 respectively.

*Conclusion*: D-dimer was superior to ADD risk score in diagnosis of AD.