Noninvasive technologies for the diagnosis of coronary artery disease in women

Record Status
This is a bibliographic record of a published health technology assessment from a member of INAHTA. No evaluation of the quality of this assessment has been made for the HTA database.

Citation

Authors' objectives
To conduct a systematic review of the medical literature assessing (1) accuracy of noninvasive technologies (NITs) for diagnosing coronary artery disease (CAD) in women with symptoms suspicious for CAD, (2) predictors affecting test accuracy, (3) ability of NITs to provide risk stratification, prognostic information, inform decisionmaking about treatment options, and affect clinical outcomes, and (4) risks to women undergoing these tests.

Authors' conclusions
This systematic review provides evidence for the summary sensitivities and specificities of exercise/stress ECG, ECHO, SPECT, CMR, and coronary CTA compared with coronary angiography used for diagnosing CAD in women. There was limited or insufficient evidence from comparative studies to define the influence of clinical and demographic factors on NIT diagnostic accuracy, risk stratification, prognostic information, treatment decisions, clinical outcomes, and harms in women.

Final publication URL

Indexing Status
Subject indexing assigned by CRD

MeSH
Coronary Artery Diseases; Female; Sensitivity and Specificity; Diagnostic Techniques, Cardiovascular

Language Published
English

Country of organisation
United States

English summary
An English language summary is available.

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AccessionNumber
32013000189