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The Efficacy and Safety of a Radial Approach versus a Distal Radial Approach for Diagnostic Coronary Angiography and Percutaneous Coronary Intervention: A Systematic Review and Meta-analysis V.1

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ABSTRACT

BACKGROUND

The traditional radial approach (RA) is recommended as the standard method for coronary angiography (CAG), while a distal radial approach (DRA) has recently been used for CAG.

AIM

The aim of this study will be to assess the efficacy and safety of DRA versus RA during CAG.

METHODS

The following databases will be searched through December 2020: MEDLINE, the Cochrane Central Register of Controlled Trials, EMBASE, the World Health Organization International Clinical Trials Platform Search Portal and ClinicalTrials.gov. Individual randomized-controlled trials for adult patients undergoing cardiac catheterization will be included. The primary outcomes will be the successful cannulation rate and the incidence of radial artery spasm (RAS) and radial artery occlusion (RAO). Study selection, data abstraction and quality assessment will be independently performed using the Grading of Recommendations, Assessment, Development, and Evaluation approach.

ATTACHMENTS

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KEYWORDS

Radial artery, Cardiac catheterization, Coronary angiography, Snuff box, Systematic review, Meta-analysis

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