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Meta-analysis of scope harvesting radial artery

PLOS One

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1 Works for me dx.doi.org/10.17504/protocols.io.bhrdj526

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1 Check MeSH terms, set reaserch keywords: radial artery and harvest. 5d

2 Searches in Pubmed, Medline, the Cochrane Library, and EMBASE, to find studies published from January 1974 to July 1m

2019.

3 Articles with comparisons of open and endoscope artery harvesting were included as long as there were adult patients with coronary artery disease undergoing CABG. 3m
Systemic-reviews, case series and case reports were excluded. Studies comparing open arery hatvesting and minimal invasive radial artery harvesting were also excluded. Randomized controlled trials (RCTs) and non-randomized observational articles including prospective or retrospective studies were included.

4 Primary outcomes included the wound infection rate, the wound complication rate, harvesting site neurological complications of the forearm during hospitalization, in-hospital mortality, long-term survival (over one year), and the patency rate (duration may be defined differently by research, from in-hospital to 3–5 years). 1m

5 The risk of bias of randomized controlled trials was evaluated by the Cochrane Collaboration risk-of-bias tool—Revised Cochrane risk-of-bias tool for randomized trials (RoB 2). 1m
The methodological quality of non-randomized controlled trials (NRCTs) was assessed by the Newcastle–Ottawa Quality Assessment Scale (NOS) .

6 Data synthesis and statistical analysis were conducted using Review Manager 1m

7 Complete study. 1m

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