Studies included (n=116), representing 37 unique trials
- Catheter aspiration (n=17)
- Mechanical thrombectomy (n=5)
- Distal balloon embolic protection (n=9)
- Distal filter embolic protection (n=5)
- Proximal balloon embolic protection (n=1)

Records identified through database searching
- Medline (n=697)
- Central (n=88)
- Cochrane Systematic Reviews (n=5)
- Web of Science (n=227)

Additional records identified through other sources (n = 41)

Records screened after duplicates removed (n=1091)

Records excluded (n=653)
- Narrative review, editorial or letter to the editor (n=128)
- Outside of humans (n=3)
- Evaluating other than adjunctive device in PCI (n=162)
- Outside of ACS (n=5)
- Not in native vessel (n=46)
- Other than RCT (n=309)

Full-text articles screened (n=438)

Full-text articles excluded (n=322)
- Narrative review, editorial or letter to the editor (n=52)
- Outside of humans (n=1)
- Evaluating other than adjunctive device in PCI (n=21)
- Outside of STEMI (n=19)
- Not in native vessel (n=3)
- Other than RCT (n=205)
- Does not report outcome(s) of interest (n=7)
- Incomplete data and no response from author (n=4)
- Duplicate data (n=10)