**Figure 1: Flow diagram of study selection**

557 citations from search of MEDLINE and EMBASE using search terms: ((radial or transradial or radial artery) and (catheterisation or catheterization or angiography or angiogram or angioplasty or percutaneous coronary intervention or PCI)) AND (hand function or grip strength or disability or dysfunction or sensation or paraesthesia or paralysis)

406 citations from search of MEDLINE and EMBASE using search terms: ((femoral or transfemoral or femoral artery) and (catheterisation or catheterization or angiography or angiogram or angioplasty or percutaneous coronary intervention or PCI)) AND ((leg or foot) and (function or strength or disability or dysfunction or paraesthesia or paralysis or sensation))

51 potentially relevant after screening titles and abstracts.

15 studies included in review.

13 potentially relevant after screening titles and abstracts.

4 studies included in review.

36 excluded: 6 editorials/comments, 2 reviews, 1 protocol, 26 no results, 1 duplicate.

5 excluded: 4 no results.