

Search strategy S1

(update: May 12, 2020)

Pubmed:

(pneumonectomy[MH]OR "lobectomy" OR "segmentectomy" OR "pulmonary resection" OR "lung resection" OR "thoracic surgery"[MH] OR "thoracic surgery" OR pneumonectom* OR "lung surgery" OR "pulmonary surgery" OR "Lung neoplasms"[MH]OR "lung cancer" OR "pulmonary cancer" OR "pulmonary carcinoma" OR "lung carcinoma" OR "carcinoma, non-small-cell lung"[MH])

AND

(stair* OR climb* OR "functional test*" OR "low-technology test*" OR "low-technology exercise test*" OR "functional exercise test*")

PEDro:

We searched PEDro with an automatic request generator in order to simulate the 'OR' functionality that misses in this tool.

We defined two lists of keywords:

List 1:

stair
stairs
climb
climbing
functional test
functional testing
low-technology test
low-technology testing

List 2:

lobectomy
segmentectomy
pulmonary resection
lung resection
thoracic surgery
pneumonectomy
lung surgery
pulmonary surgery
lung cancer
pulmonary cancer
pulmonary carcinoma
lung carcinoma
thoracic surgery

Then, all combinations of a keyword of the first list and keyword of the second list were generated, such as:

stair+lobectomy
climbing+thoracic surgery
climbing+lung cancer
etc.

Cochrane Library:

("lobectomy" OR "segmentectomy" OR "pulmonary resection" OR "lung resection"
OR "thoracic surgery" OR pneumonectomy OR "lung surgery" OR "pulmonary
surgery"
OR "lung cancer" OR "pulmonary cancer" OR "pulmonary carcinoma" OR "lung
carcinoma")

AND

(stair OR stairs OR climb OR climbing OR "low-technology test" OR "low-
technology testing" OR "low-technology exercise test")

Embase:

("pneumonectomy" OR "lobectomy" OR "segmentectomy" OR "pulmonary resection"
OR "lung resection" OR "thoracic surgery" OR "thoracic surgery" OR pneumonectom*
OR "lung surgery" OR "pulmonary surgery"
OR "Lung neoplasms" OR "lung cancer" OR "pulmonary cancer" OR "pulmonary
carcinoma" OR "lung carcinoma" OR "carcinoma, non-small-cell lung")

AND

(stair* OR climb* OR "functional test*" OR "low-technology test*" OR "low-
technology exercise test*" OR "functional exercise test*")

CINAHL:

("lobectom*" OR "segmentectom*" OR "pulmonary resection" OR "lung resection"
OR "thoracic surgery" OR "pneumonectom*" OR "lung surgery" OR "pulmonary
surgery"
OR "lung cancer" OR "pulmonary cancer" OR "pulmonary carcinoma" OR "lung
carcinoma")

AND

(stair* OR climb* OR "low-technology test*" OR "low-technology exercise test*")

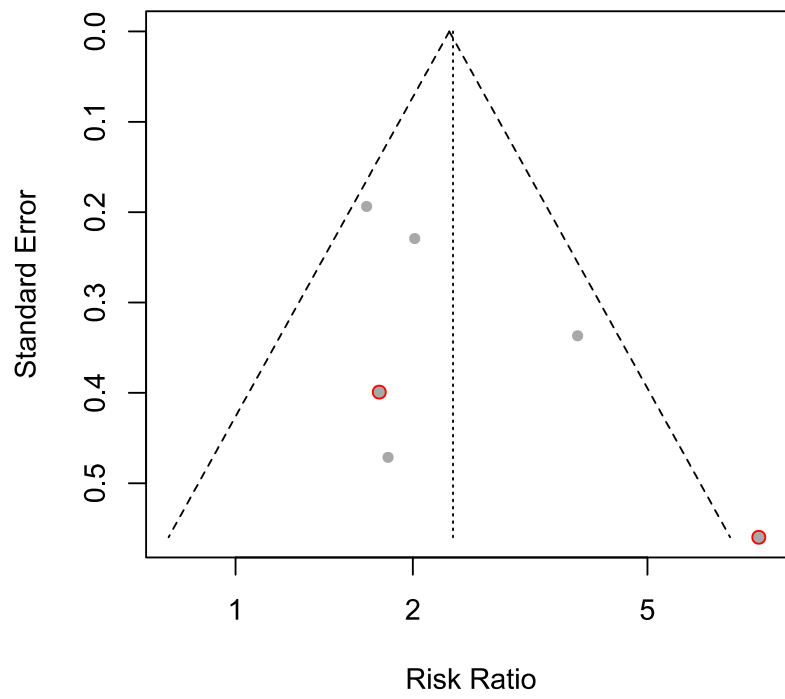


Figure S2. Funnel plot of postoperative complications showing relative risk according to the standard error of the study. Red circle: studies with high risk of bias