

Supplementary material

Table S1. Full search strategy. Search was performed on August 30, 2020.

PubMed
(tb[tiab] OR tuberculo*[tiab] OR mycobacterium[tiab] OR "Tuberculosis"[Mesh]) AND ("Lung cancer*[tiab] OR "Lung tumor*[tiab] OR "Lung tumour*[tiab] OR "lung neoplasm*[tiab] OR "lung carcinoma"[tiab] OR NSCLC[tiab] OR SCLC[tiab] OR "lung adenocarcinoma"[tiab] OR "Lung Neoplasms"[Mesh]) NOT ("review"[pt] OR "Case Reports"[pt] OR "Clinical Trial"[pt] OR "Meta-Analysis"[pt] OR "Systematic Review"[pt] OR "letter"[pt] OR "editorial"[pt] OR "news"[pt]) Result: 4,339 hits
EMBASE
(tb:ti,ab,kw OR "tuberculosis"/exp OR tuberculo*:ti,ab,kw) AND ("lung cancer*":ti,ab,kw OR "lung tumor"/exp OR "lung tumor*":ti,ab,kw OR "lung tumour*":ti,ab,kw OR "lung neoplasm*":ti,ab,kw OR "lung carcinoma":ti,ab,kw OR "NSCLC":ti,ab,kw OR "non-small cell lung cancer"/exp OR "SCLC":ti,ab,kw OR "small cell lung cancer"/exp OR "lung adenocarcinoma":ti,ab,kw OR "lung adenocarcinoma"/exp) NOT ("animal"/exp NOT "human"/exp) NOT (((“controlled clinical trial”/de OR “meta-analysis”/de OR “systematic review”/de OR “clinical trial”/de OR “case report”/de OR “diagnostic test accuracy study”/de) NOT (“cohort analysis”/de OR “cross sectional study”/de OR “observational study”/de OR “prospective study”/de OR “retrospective study”/de)) NOT (“conference abstract”:it OR “conference paper”:it OR “conference review”:it OR editorial:it OR note:it OR letter:it OR “short survey”:it OR “review”:it) Result: 5,695 hits
Cochrane Database
(tb OR tuberculo* OR mycobacterium) AND ("Lung cancer*" OR "Lung tumor*" OR "Lung tumour*" OR "lung neoplasm*" OR "lung carcinoma" OR NSCLC OR SCLC OR "lung adenocarcinoma") Result: 135 hits

Table S2. Meta-regression analysis between pulmonary tuberculosis and lung cancer

Continuous variable	All studies (n=33)			High-quality studies (n=8)		
	Regression coefficient	<i>p</i> -value	No. of studies	Regression coefficient	<i>p</i> -value	No. of studies
Mean age, years	0.949	< 0.001	27	0.945	< 0.001	7
Female, %	0.999	0.975	31	1.001	0.949	8
SCLC, %	0.991	0.302	15	—	—	0
LCLC, %	0.965	0.263	13	—	—	0
Adenocarcinoma, %	0.996	0.367	17	—	—	0
Squamous cell cancer, %	0.995	0.532	16	—	—	0
Diabetes, %	—	—	0	—	—	0
Hypertension, %	—	—	0	—	—	0
COPD, %	0.983	0.196	19	0.970	0.260	7
Non-smoker, %	1.006	0.115	17	1.008	0.156	4
Ever smoker, %	0.994	0.115	17	0.993	0.156	4

Abbreviations: COPD, chronic obstructive pulmonary diseases; LCLC, large cell lung cancer; No, number; SCLC, small cell lung cancer.