**The search strategy of EMBASE**

#1 'lung tumor'/exp OR 'lung adenocarcinoma'/exp OR 'lung alveolus cell carcinoma'/exp OR 'bronchus tumor'/exp OR 'lung carcinoma'/exp OR 'multiple pulmonary nodules'/exp OR 'Pancoast tumor'/exp OR 'lung blastoma'/exp OR 'pulmonary sclerosing hemangioma'/exp

#2'lung neoplasm\*':ab,ti OR 'lung tumor\*':ab,ti OR 'lung carcinoma\*':ab,ti OR 'lung cancer\*':ab,ti OR 'lung tumour\*':ab,ti OR ' pulmonary neoplasm\*':ab,ti OR 'pulmonary tumor\*':ab,ti OR 'pulmonary carcinoma\*':ab,ti OR 'pulmonary cancer\*':ab,ti OR 'pulmonary tumour\*':ab,ti OR 'bronchial neoplasm\*':ab,ti OR 'bronchogenic carcinoma\*':ab,ti OR 'bronchial carcinoma\*':ab,ti OR 'lung adenocarcinoma\*':ab,ti OR 'alveolar adenocarcinoma\*':ab,ti OR 'alveolar carcinoma\*':ab,ti OR 'alveolar cell carcinoma\*':ab,ti OR 'bronchiolar carcinoma\*':ab,ti OR 'bronchioloalveolar carcinoma\*':ab,ti OR 'pancoast syndrome':ab,ti OR 'pulmonary sclerosing hemangioma\*':ab,ti OR 'lung sclerosing hemangioma\*':ab,ti OR 'multiple pulmonary nodule':ab,ti OR 'non-small-cell lung carcinoma\*':ab,ti OR 'nonsmall cell lung cancer\*':ab,ti OR 'non small cell lung carcinoma\*':ab,ti OR 'non-small cell lung cancer\*':ab,ti OR 'small cell lung cancer\*':ab,ti OR 'oat cell lung cancer\*':ab,ti

#3 #1 OR #2

#4 'tumor marker'/exp OR 'biological marker'/exp

#5 'cancer biomarker\*':ab,ti OR 'cancer bio-marker':ab,ti OR 'cancer marker\*':ab,ti OR 'tumor biomarker\*':ab,ti OR 'tumor bio-marker':ab,ti OR 'tumor marker\*':ab,ti OR 'tumour biomarker\*':ab,ti OR 'tumour bio-marker':ab,ti OR 'tumour marker\*':ab,ti OR 'carcinogen biomarker\*':ab,ti OR 'carcinogen bio-marker':ab,ti OR 'carcinogen marker\*':ab,ti OR 'neoplasm biomarker\*':ab,ti OR 'neoplasm bio-marker':ab,ti OR 'neoplasm marker\*':ab,ti OR 'neoplasm metabolite marker\*':ab,ti OR 'tumor metabolite marker\*':ab,ti OR 'cancer metabolite marker\*':ab,ti OR 'tumour metabolite marker\*':ab,ti OR 'carcinogen metabolite marker\*':ab,ti

#6 #4 OR #5

#7 'Sensitivity AND Specificity'/exp OR 'False Positive Reactions'/exp OR 'False Negative Reactions'/exp OR 'ROC Curve'/exp OR 'Predictive Value of Tests'/exp

#8 'sensitivity':ab,ti OR 'specificity':ab,ti OR 'receiver operating characteristic':ab,ti OR 'receiver operator characteristic':ab,ti OR 'predictive value\*':ab,ti OR 'roc':ab,ti OR 'pre-test odds':ab,ti OR 'pretest odds':ab,ti OR 'pre-test probability\*':ab,ti OR 'pretest probability\*':ab,ti OR 'post-test odds':ab,ti OR 'posttest odds':ab,ti OR 'post-test probabilit\*':ab,ti OR 'posttest probabilit\*':ab,ti OR 'likelihood ratio\*':ab,ti OR 'positive predictive value\*':ab,ti OR 'negative predictive value\*':ab,ti OR 'false negative\*':ab,ti OR 'false positive\*':ab,ti OR 'true negative\*':ab,ti OR 'true positive\*':ab,ti

#9 #7 OR #8

#10 'meta analysis (topic)'/exp OR 'meta analysis'/exp OR 'systematic review'/exp OR 'systematic review (topic)'/exp

#11 'meta analysis':ab,ti OR 'meta analyses':ab,ti OR 'meta-analysis':ab,ti OR 'meta-analyses':ab,ti OR 'metaanalysis':ab,ti OR 'metanalysis':ab,ti OR 'met-analysis':ab,ti OR 'metaanalyses':ab,ti OR 'metanalyses':ab,ti OR 'met-analyses':ab,ti OR 'data pooling':ab,ti OR 'data poolings':ab,ti OR 'clinical trial overview':ab,ti OR 'clinical trial overviews':ab,ti OR 'systematic review':ab,ti OR 'systematic reviews':ab,ti

#12 #10 OR #11

#13 #3 AND #6 AND #9 AND #12