

Supplementary Table 1 Search strategies for PubMed, Embase, Cochrane Library and Web of science

Database	Keywords
<b>PubMed</b>	
#1	"Carcinoma, Non-Small-Cell Lung"[Mesh]
#2	(Carcinoma, Non Small Cell Lung[Title/Abstract]) OR (Carcinomas, Non-Small-Cell Lung[Title/Abstract]) OR (Lung Carcinoma, Non-Small-Cell[Title/Abstract]) OR (Lung Carcinomas, Non-Small-Cell[Title/Abstract]) OR (Non-Small-Cell Lung Carcinomas[Title/Abstract]) OR (Nonsmall Cell Lung Cancer[Title/Abstract]) OR (Non-Small-Cell Lung Carcinoma[Title/Abstract]) OR (Non Small Cell Lung Carcinoma[Title/Abstract]) OR (Carcinoma, Non-Small Cell Lung[Title/Abstract]) OR (Non-Small Cell Lung Cancer[Title/Abstract])
#3	#1 OR #2
#4	(checkpoint*[Title/Abstract]) OR ("checkpoint inhibitor"[Title/Abstract]) OR (CTLA-4[Title/Abstract]) OR (PD-1[Title/Abstract]) OR (PD-L1[Title/Abstract]) OR (ipilimumab[Title/Abstract]) OR (atezolizumab[Title/Abstract]) OR (durvalumab[Title/Abstract]) OR (pembrolizumab[Title/Abstract]) OR (nivolumab[Title/Abstract]) OR (avelumab[Title/Abstract]) OR (tremelimumab[Title/Abstract])
#5	(derived neutrophil-lymphocyte ratio[Title/Abstract]) OR (dNLR[Title/Abstract]) OR (derived neutrophil lymphocyte ratio[Title/Abstract]) OR (derived neutrophil to lymphocyte ratio[Title/Abstract])
#6	#3 AND #4 AND #5
<b>Embase</b>	
#1	'non small cell lung cancer'/exp
#2	'carcinoma, non small cell lung':ab,ti OR 'carcinomas, non-small-cell lung':ab,ti OR 'lung carcinoma, non-small-cell':ab,ti OR 'lung carcinomas, non-small-cell':ab,ti OR 'non-small-cell lung carcinomas ':ab,ti OR 'non small cell lung cancer':ab,ti OR 'non-small-cell lung carcinoma':ab,ti OR 'non small cell lung carcinoma ':ab,ti OR 'carcinoma, non-small cell lung':ab,ti OR 'non-small cell lung cancer':ab,ti
#3	#1 OR #2
#4	'checkpoint*':ab,ti OR 'checkpoint inhibitor':ab,ti OR 'ctla-4':ab,ti OR 'pd-1':ab,ti OR 'pd-l1':ab,ti OR 'ipilimumab':ab,ti OR 'atezolizumab':ab,ti OR 'durvalumab':ab,ti OR 'pembrolizumab':ab,ti OR 'nivolumab':ab,ti OR 'avelumab':ab,ti OR 'tremelimumab':ab,ti
#5	'derived neutrophil-lymphocyte ratio':ab,ti OR 'dnlr':ab,ti OR 'derived neutrophil lymphocyte ratio':ab,ti OR 'derived neutrophil to lymphocyte ratio':ab,ti
#6	#3 AND #4 AND #5
<b>Cochrane Library</b>	
#1	MeSH: Carcinoma, Non-Small-Cell Lung

#2	(Carcinoma, Non Small Cell Lung):ti,ab,kw OR (Carcinomas, Non-Small-Cell Lung):ti,ab,kw OR (Lung Carcinoma, Non-Small-Cell):ti,ab,kw OR (Lung Carcinomas, Non-Small-Cell):ti,ab,kw OR (Non-Small-Cell Lung Carcinomas):ti,ab,kw OR (Non small Cell Lung Cancer):ti,ab,kw OR (Non-Small-Cell Lung Carcinoma):ti,ab,kw OR (Non Small Cell Lung Carcinoma):ti,ab,kw OR (Carcinoma, Non-Small Cell Lung):ti,ab,kw OR (Non-Small Cell Lung Cancer):ti,ab,kw
#3	#1 OR #2
#4	(checkpoint*):ti,ab,kw OR (checkpoint inhibitor):ti,ab,kw OR (CTLA-4):ti,ab,kw OR (PD-1):ti,ab,kw OR (PD-L1):ti,ab,kw OR (ipilimumab):ti,ab,kw OR (atezolizumab):ti,ab,kw OR (durvalumab):ti,ab,kw OR (pembrolizumab):ti,ab,kw OR (nivolumab):ti,ab,kw OR (avelumab):ti,ab,kw OR (tremelimumab):ti,ab,kw
#5	(derived neutrophil-lymphocyte ratio):ti,ab,kw OR (dNLR):ti,ab,kw OR (derived neutrophil lymphocyte ratio):ti,ab,kw OR (derived neutrophil to lymphocyte ratio):ti,ab,kw
#6	#3 AND #4 AND #5
<b>Web of science</b>	
#1	TS=(Carcinoma, Non-Small-Cell Lung OR Carcinoma, Non Small Cell Lung OR Carcinomas, Non-Small-Cell Lung OR Lung Carcinoma, Non-Small-Cell OR Lung Carcinomas, Non-Small-Cell OR Non-Small-Cell Lung Carcinomas OR Non small Cell Lung Cancer OR Non-Small-Cell Lung Carcinoma OR Non Small Cell Lung Carcinoma OR Carcinoma, Non-Small Cell Lung OR Non-Small Cell Lung Cancer)
#2	TS=(checkpoint* OR checkpoint inhibitor OR CTLA-4 OR PD-1 OR PD-L1 OR ipilimumab OR atezolizumab OR durvalumab OR pembrolizumab OR nivolumab OR avelumab OR tremelimumab)
#3	TS=(derived neutrophil-lymphocyte ratio OR DnLr OR derived neutrophil lymphocyte ratio OR derived neutrophil to lymphocyte ratio)
#4	#1 AND #2 AND #3