

Supplemental Table 1 Example of search strategy in PubMed

Search number	Query	Sort By	Filters	Search Details
5	(((((((((((immune checkpoint inhibitor) OR (immune checkpoint blockade)) OR (PD-1 antibody)) OR (PD-L1 antibody)) OR (CTLA-4 inhibitor)) OR (nivolumab)) OR (pembrolizumab)) OR (Ipilimumab)) OR (atezolizumab)) OR (durvalumab)) AND (((((cancer) OR (non-small cell lung cancer)) OR (carcinoma)) OR (pulmonary adenocarcinoma)) OR (stage IV NSCLC))) AND (((((((((((((((OS) OR (overall survival)) OR (survival)) OR (PFS)) OR (progression-free survival)) OR (efficacy)) OR (ORR)) OR (response)) OR (overall response)) OR (radiation)) OR (radiotherapy)) OR (conventional radiation therapy)) OR (CRT)) OR (Stereotactic body radiation therapy)) OR (SBRT)) OR (stereotactic ablative radiotherapy)) OR (SABR))) AND (((prospective study) OR (randomized controlled trial)) OR (study))			("immune checkpoint inhibitors"[Pharmacological Action] OR "immune checkpoint inhibitors"[MeSH Terms] OR ("immune"[All Fields] AND "checkpoint"[All Fields] AND "inhibitors"[All Fields]) OR "immune checkpoint inhibitors"[All Fields] OR ("immune"[All Fields] AND "checkpoint"[All Fields] AND "inhibitor"[All Fields]) OR "immune checkpoint inhibitor"[All Fields] OR ("immune checkpoint inhibitors"[Pharmacological Action] OR "immune checkpoint inhibitors"[MeSH Terms] OR ("immune"[All Fields] AND "checkpoint"[All Fields] AND "inhibitors"[All Fields]) OR "immune checkpoint inhibitors"[All Fields] OR ("immune"[All Fields] AND "checkpoint"[All Fields] AND "blockade"[All Fields]) OR "immune checkpoint blockade"[All Fields]) OR ("PD-1"[All Fields] AND ("antibodie"[All Fields] OR "antibodies"[MeSH Terms] OR "antibodies"[All Fields] OR "antibody s"[All Fields] OR "antibodys"[All Fields] OR "immunoglobulins"[MeSH Terms] OR "immunoglobulins"[All Fields] OR "antibody"[All Fields])) OR ("PD-L1"[All Fields] AND ("antibodie"[All Fields] OR "antibodies"[MeSH Terms] OR "antibodies"[All Fields] OR "antibody s"[All Fields] OR "antibodys"[All Fields] OR "immunoglobulins"[MeSH Terms] OR "immunoglobulins"[All Fields] OR "antibody"[All Fields])) OR ("immune checkpoint inhibitors"[Pharmacological Action] OR "immune checkpoint inhibitors"[MeSH Terms] OR ("immune"[All Fields] AND

"checkpoint"[All Fields] AND
"inhibitors"[All Fields]) OR "immune
checkpoint inhibitors"[All Fields] OR "ctla
4 inhibitor"[All Fields]) OR
("nivolumab"[MeSH Terms] OR
"nivolumab"[All Fields] OR "nivolumab
s"[All Fields]) OR
("pembrolizumab"[Supplementary
Concept] OR "pembrolizumab"[All Fields])
OR ("ipilimumab"[MeSH Terms] OR
"ipilimumab"[All Fields]) OR
("atezolizumab"[Supplementary Concept]
OR "atezolizumab"[All Fields]) OR
("durvalumab"[Supplementary Concept]
OR "durvalumab"[All Fields])) AND
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OR ("mortality"[MeSH Subheading] OR
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Fields] OR "surviving"[All Fields]) OR
"PFS"[All Fields] OR ("progression free
survival"[MeSH Terms] OR ("progression
free"[All Fields] AND "survival"[All Fields])
OR "progression free survival"[All Fields]
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("radiotherapy"[MeSH Subheading] OR
"radiotherapy"[All Fields] OR
("radiation"[All Fields] AND "therapy"[All
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OR "radiotherapy"[MeSH Terms] OR
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OR "CRT"[All Fields] OR (("stereotactic"[All
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body"[MeSH Terms] OR ("human"[All
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AND ("radiotherapy"[MeSH Subheading]
OR "radiotherapy"[All Fields] OR
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OR "radiotherapy"[MeSH Terms] OR
("radiation"[All Fields] AND "therapy"[All

		Fields]) OR "radiation therapy"[All Fields])) OR "SBRT"[All Fields] OR (("stereotactic"[All Fields] OR "stereotactical"[All Fields] OR "stereotactically"[All Fields] OR "stereotactics"[All Fields]) AND ("ablative"[All Fields] OR "ablatives"[All Fields]) AND ("radiotherapy"[MeSH Terms] OR "radiotherapy"[All Fields] OR "radiotherapies"[All Fields] OR "radiotherapy"[MeSH Subheading] OR "radiotherapy s"[All Fields])) OR "SABR"[All Fields]) AND ("prospective studies"[MeSH Terms] OR ("prospective"[All Fields] AND "studies"[All Fields]) OR "prospective studies"[All Fields] OR ("prospective"[All Fields] AND "study"[All Fields]) OR "prospective study"[All Fields] OR ("randomized controlled trial"[Publication Type] OR "randomized controlled trials as topic"[MeSH Terms] OR "randomized controlled trial"[All Fields] OR "randomised controlled trial"[All Fields]) OR ("studies"[All Fields] OR "study"[All Fields] OR "study s"[All Fields] OR "studying"[All Fields] OR "studys"[All Fields]))
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survival)) OR (efficacy)) OR (ORR)) OR
(response)) OR (overall response)) OR
(radiation)) OR (radiotherapy)) OR
(conventional radiation therapy)) OR
(CRT)) OR (Stereotactic body radiation
therapy)) OR (SBRT)) OR (stereotactic
ablative radiotherapy)) OR (SABR)

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OR "progression free survival"[All Fields]
OR ("progression"[All Fields] AND
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"radiotherapy"[All Fields] OR
"radiotherapies"[All Fields] OR
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OR "radiotherapy"[MeSH Terms] OR
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OR "CRT"[All Fields] OR (("stereotactic"[All
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body"[MeSH Terms] OR ("human"[All
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body"[All Fields] OR "body"[All Fields])
AND ("radiotherapy"[MeSH Subheading]
OR "radiotherapy"[All Fields] OR
("radiation"[All Fields] AND "therapy"[All
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OR "radiotherapy"[MeSH Terms] OR
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OR "SBRT"[All Fields] OR
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OR "radiotherapy"[All Fields] OR
"radiotherapies"[All Fields]) OR

	"radiotherapy"[MeSH Subheading] OR "radiotherapy s"[All Fields])) OR "SABR"[All Fields] "cancer s"[All Fields] OR "cancerated"[All Fields] OR "canceration"[All Fields] OR "cancerization"[All Fields] OR "cancerized"[All Fields] OR "cancerous"[All Fields] OR "neoplasms"[MeSH Terms] OR "neoplasms"[All Fields] OR "cancer"[All Fields] OR "cancers"[All Fields] OR ("carcinoma, non small cell lung"[MeSH Terms] OR ("carcinoma"[All Fields] AND "non small cell"[All Fields] AND "lung"[All Fields]) OR "non-small-cell lung carcinoma"[All Fields] OR ("non"[All Fields] AND "small"[All Fields] AND "cell"[All Fields] AND "lung"[All Fields] AND "cancer"[All Fields]) OR "non small cell lung cancer"[All Fields]) OR ("carcinoma"[MeSH Terms] OR "carcinoma"[All Fields] OR "carcinomas"[All Fields] OR "carcinoma s"[All Fields]) OR ("adenocarcinoma of lung"[MeSH Terms] OR ("adenocarcinoma"[All Fields] AND "lung"[All Fields]) OR "adenocarcinoma of lung"[All Fields] OR ("pulmonary"[All Fields] AND "adenocarcinoma"[All Fields]) OR "pulmonary adenocarcinoma"[All Fields]) OR (("stage"[All Fields] OR "staged"[All Fields] OR "stages"[All Fields] OR "staging"[All Fields] OR "stagings"[All Fields]) AND "IV"[All Fields] AND ("carcinoma, non small cell lung"[MeSH Terms] OR ("carcinoma"[All Fields] AND "non small cell"[All Fields] AND "lung"[All Fields]) OR "non-small-cell lung carcinoma"[All Fields] OR "nslc"[All Fields] OR "nslc s"[All Fields] OR "nslcs"[All Fields]))
2	(((((cancer) OR (non-small cell lung cancer)) OR (carcinoma)) OR (pulmonary adenocarcinoma)) OR (stage IV NSCLC)
1	((((((((((immune checkpoint inhibitor) OR (immune checkpoint blockade)) OR (PD-1 antibody)) OR (PD-L1 antibody)) OR (CTLA-4 inhibitor)) OR (nivolumab)) OR "immune checkpoint inhibitors"[Pharmacological Action] OR "immune checkpoint inhibitors"[MeSH Terms] OR ("immune"[All Fields] AND

(pembrolizumab)) OR (Ipilimumab)) OR
(atezolizumab)) OR (durvalumab)

"checkpoint"[All Fields] AND
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Action] OR "immune checkpoint
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("pembrolizumab"[Supplementary

Concept] OR "pembrolizumab"[All Fields])
OR ("ipilimumab"[MeSH Terms] OR
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OR "atezolizumab"[All Fields]) OR
("durvalumab"[Supplementary Concept]
OR "durvalumab"[All Fields])