

## Appendix 1 Search strategy

### a: Search strategy in PubMed

#	Query
#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] OR NSCLC[Title/Abstract]
#3	#1 OR #2
#4	N2[Title/Abstract] OR pN2[Title/Abstract] OR cN2[Title/Abstract] OR pIIIA-N2[Title/Abstract] OR IIIA-pN2[Title/Abstract] OR Stage IIIA-N2[Title/Abstract] OR pathological N2[Title/Abstract] OR pIIIA-N2[Title/Abstract] OR Pathological Stage N2[Title/Abstract] OR stage IIIA N2[Title/Abstract] OR stage IIIA N2 involvement[Title/Abstract] OR stage IIIA pathological N2 status[Title/Abstract]
#5	adjuvant[Title/Abstract] OR postoperative[Title/Abstract] OR adju*[Title/Abstract] OR postopera*[Title/Abstract]
#6	"Radiotherapy"[MeSH]
#7	Radiotherapies[Title/Abstract] OR Radiation Therapies[Title/Abstract] OR Therapies, Radiation[Title/Abstract] OR Therapy, Radiation[Title/Abstract] OR radiotherapy[Title/Abstract] OR radiation[Title/Abstract] OR Irradiation[Title/Abstract] OR thoracic radiation therapy[Title/Abstract] OR chemoradiotherapy[Title/Abstract] OR radiation therapy[Title/Abstract] OR RT[Title/Abstract] OR TRT[Title/Abstract]
#8	#6 OR #7
#9	#5 AND #8
#10	PORT[Title/Abstract] OR POCRT[Title/Abstract] OR adjuvant postoperative thoracic radiation therapy[Title/Abstract] OR postoperative chemoradiotherapy[Title/Abstract]
#11	#9 OR #10
#12	#3 AND #4 AND #11

### b: Search strategy in Embase

#	Query
#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 'nonsmall 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 OR 'nsclc':ab,ti
#3	#1 OR #2
#4	'N2':ab,ti OR 'pN2':ab,ti OR 'cN2':ab,ti OR 'pIIIA-N2':ab,ti OR 'IIIA-pN2':ab,ti OR 'Stage IIIA-N2':ab,ti OR 'pathological N2':ab,ti OR 'pIIIA-N2':ab,ti OR 'Pathological Stage N2':ab,ti

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	OR
	'stage IIIA N2':ab,ti OR 'stage IIIA N2 involvement':ab,ti OR 'stage IIIA pathological N2 status':ab,ti
#5	'adjuvant':ab,ti OR 'postoperative':ab,ti OR 'adju*':ab,ti OR 'postopera*':ab,ti
#6	'radiotherapy'/exp
#7	'radiotherapies':ab,ti OR 'radiation therapies':ab,ti OR 'therapies, radiation':ab,ti OR 'therapy, radiation':ab,ti OR 'radiotherapy':ab,ti OR 'radiation':ab,ti OR 'irradiation':ab,ti OR 'thoracic radiation therapy':ab,ti OR 'chemoradiotherapy':ab,ti OR 'radiation therapy':ab,ti OR 'rt':ab,ti OR 'trt':ab,ti
#8	#6 OR #7
#9	#5 AND #8
#10	'port':ab,ti OR 'pocrt':ab,ti OR 'adjuvant postoperative thoracic radiation therapy':ab,ti OR 'postoperative chemoradiotherapy':ab,ti
#11	#9 OR #10
#12	#3 AND #4 AND #11

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### **c: Search strategy in Web of Science**

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#	Query
#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 "Nonsmall 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" OR "NSCLC" )
#2	TI=("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 "Nonsmall 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" OR "NSCLC" )
#3	#1 OR #2
#4	TS=("N2" OR "N2" OR "cN2" OR "pIIIA-N2" OR "IIIA-pN2" OR "Stage IIIA-N2" OR "pathological N2" OR "pIIIA-N2" OR "Pathological Stage N2" OR "stage IIIA N2" OR "stage IIIA N2 involvement" OR "stage IIIA pathological N2 status")
#5	TI=("N2" OR "N2" OR "cN2" OR "pIIIA-N2" OR "IIIA-pN2" OR "Stage IIIA-N2" OR "pathological N2" OR "pIIIA-N2" OR "Pathological Stage N2" OR "stage IIIA N2" OR "stage IIIA N2 involvement" OR "stage IIIA pathological N2 status")
#6	#4 OR #5
#7	TS=("adjuvant" OR "postoperative" OR "adju*" OR "postopera*")
#8	TI=("adjuvant" OR "postoperative" OR "adju*" OR "postopera*")
#9	#7 OR #8
#10	TS=("Radiotherapy" OR "Radiotherapies" OR "Radiation Therapies" OR "Therapies, Radiation" OR "Therapy, Radiation" OR "Radiotherapy, Targeted" OR "Radiotherapies, Targeted" OR "Targeted Radiotherapies" OR "Radiation Therapy, Targeted" OR "Targeted Radiotherapy" OR "Targeted Radiation Therapy" OR "Radiation Therapies, Targeted" OR

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- “Targeted Radiation Therapies” OR “Therapies, Targeted Radiation” OR “Therapy, Targeted Radiation” OR “radiotherapy” OR “radiation” OR “Irradiation” OR “thoracic radiation therapy” OR “chemoradiotherapy” OR “radiation therapy” OR “RT” OR “TRT”)
- #11 TI=(“Radiotherapy” OR “Radiotherapies” OR “Radiation Therapies” OR “Therapies, Radiation” OR “Therapy, Radiation” OR “Radiotherapy, Targeted” OR “Radiotherapies, Targeted” OR “Targeted Radiotherapies” OR “Radiation Therapy, Targeted” OR “Targeted Radiotherapy” OR “Targeted Radiation Therapy” OR “Radiation Therapies, Targeted” OR “Targeted Radiation Therapies” OR “Therapies, Targeted Radiation” OR “Therapy, Targeted Radiation” OR “radiotherapy” OR “radiation” OR “Irradiation” OR “thoracic radiation therapy” OR “chemoradiotherapy” OR “radiation therapy” OR “RT” OR “TRT”)
- #12 #10 OR #11
- #13 #9 AND #12
- #14 TS=(“PORT” OR “POCRT” OR “adjuvant postoperative thoracic radiation therapy” OR “postoperative chemoradiotherapy”)
- #15 TI=(“PORT” OR “POCRT” OR “adjuvant postoperative thoracic radiation therapy” OR “postoperative chemoradiotherapy”)
- #16 #14 OR #15
- #17 #13 OR #16
- #18 #3 AND #6 AND #17
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#### **d: Search strategy in Cochrane Library**

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#	Query
#1	MeSH descriptor: [Carcinoma, Non-Small-Cell Lung] explode all trees
#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 Nonsmall 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 OR NSCLC
#3	N2:ti,ab,kw OR pN2:ti,ab,kw OR cN2:ti,ab,kw OR pIIIA-N2:ti,ab,kw OR IIIA-pN2:ti,ab,kw OR Stage IIIA-N2:ti,ab,kw OR pathological N2:ti,ab,kw OR pIIIA-N2:ti,ab,kw OR Pathological Stage N2:ti,ab,kw OR stage IIIA N2:ti,ab,kw OR stage IIIA N2 involvement:ti,ab,kw OR stage IIIA pathological N2 status:ti,ab,kw
#4	MeSH descriptor: [Radiotherapy] explode all trees
#5	Radiotherapy:ti,ab,kw OR Radiotherapies:ti,ab,kw OR Radiation Therapies:ti,ab,kw OR Therapies, Radiation:ti,ab,kw OR Therapy, Radiation:ti,ab,kw OR radiotherapy:ti,ab,kw OR radiation:ti,ab,kw OR Irradiation:ti,ab,kw OR thoracic radiation therapy:ti,ab,kw OR chemoradiotherapy:ti,ab,kw OR radiation therapy:ti,ab,kw OR RT:ti,ab,kw OR TRT:ti,ab,kw
#6	Adjuvant:ti,ab,kw OR postoperative:ti,ab,kw OR adju*:ti,ab,kw OR postopera*:ti,ab,kw
#7	#4 OR #5
#8	#6 AND #7
#9	PORT:ti,ab,kw OR POCRT:ti,ab,kw OR adjuvant postoperative thoracic radiation therapy:ti,ab,kw OR postoperative chemoradiotherapy:ti,ab,kw
#10	#8 OR #9
#11	#1 OR #2

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#12 #11 AND #3 AND #10

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**e: Search strategy in PMC**

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#	Query
#1	Carcinoma, Non-Small-Cell Lung[MeSH Terms]
#2	Carcinoma, Non Small Cell Lung[Title] OR Carcinomas, Non-Small-Cell Lung[Title] OR Lung Carcinoma, Non-Small-Cell[Title] OR Lung Carcinomas, Non-Small-Cell[Title] OR Non-Small-Cell Lung Carcinomas[Title] OR Nonsmall Cell Lung Cancer[Title] OR Non-Small-Cell Lung Carcinoma[Title] OR Non Small Cell Lung Carcinoma[Title] OR Carcinoma, Non-Small Cell Lung[Title] OR Non-Small Cell Lung Cancer[Title] OR NSCLC[Title]
#3	Carcinoma, Non Small Cell Lung[Abstract] OR Carcinomas, Non-Small-Cell Lung[Abstract] OR Lung Carcinoma, Non-Small-Cell[Abstract] OR Lung Carcinomas, Non-Small-Cell[Abstract] OR Non-Small-Cell Lung Carcinomas[Abstract] OR Nonsmall Cell Lung Cancer[Abstract] OR Non-Small-Cell Lung Carcinoma[Abstract] OR Non Small Cell Lung Carcinoma[Abstract] OR Carcinoma, Non-Small Cell Lung[Abstract] OR Non-Small Cell Lung Cancer[Abstract] OR NSCLC[Abstract]
#4	#1 OR #2 OR #3
#5	N2[Title] OR pN2[Title] OR cN2[Title] OR pIIIA-N2[Title] OR IIIA-pN2[Title] OR Stage IIIA-N2[Title] OR pathological N2[Title] OR pIIIA-N2[Title] OR Pathological Stage N2[Title] OR stage IIIA N2[Title] OR stage IIIA N2 involvement[Title] OR stage IIIA pathological N2 status[Title]
#6	N2[Abstract] OR pN2[Abstract] OR cN2[Abstract] OR pIIIA-N2[Abstract] OR IIIA-pN2[Abstract] OR Stage IIIA-N2[Abstract] OR pathological N2[Abstract] OR pIIIA-N2[Abstract] OR Pathological Stage N2[Abstract] OR stage IIIA N2[Abstract] OR stage IIIA N2 involvement[Abstract] OR stage IIIA pathological N2 status[Abstract]
#7	#5 OR #6
#8	adjuvant[Title] OR postoperative[Title] OR adju*[Title] OR postopera*[Title]
#9	adjuvant[Abstract] OR postoperative[Abstract] OR adju*[ Abstract] OR postopera*[ Abstract]
#10	Radiotherapy[Mesh Terms]
#11	Radiotherapy[Abstract] OR Radiotherapies[Abstract] OR Radiation Therapies[Abstract] OR Therapies, Radiation[Abstract] OR Therapy, Radiation[Abstract] OR radiotherapy[Abstract] OR radiation[Abstract] OR Irradiation[Abstract] OR thoracic radiation therapy[Abstract] OR chemoradiotherapy[Abstract] OR radiation therapy[Abstract] OR RT[Abstract] OR TRT[Abstract]
#12	Radiotherapy[Title] OR Radiotherapies[Title] OR Radiation Therapies[Title] OR Therapies, Radiation[Title] OR Therapy, Radiation[Title] OR radiotherapy[Title] OR radiation[Title] OR Irradiation[Title] OR thoracic radiation therapy[Title] OR chemoradiotherapy[Title] OR radiation therapy[Title] OR RT[Title] OR TRT[Title]
#13	#10 OR #11 OR #12
#14	#8 OR #9
#18	#14 AND #13
#19	PORT[Title] OR POCRT[Title] OR adjuvant postoperative thoracic radiation therapy[Title] OR postoperative chemoradiotherapy[Title]
#20	PORT[Abstract] OR POCRT[Abstract] OR adjuvant postoperative thoracic radiation

therapy[Abstract] OR postoperative chemoradiotherapy[Abstract]

#21 #18 OR #19 OR #20

#22 #4 AND #7 AND #21

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