

## Supplementary material 2. Search strategy for studies included in this review

The following search strategy, using a combination of MeSH terms and free text terms, was used for MEDLINE, Embase, and Google Scholar searches.

### MEDLINE

Safari Version 14.1.1 (16611.2.7.1.4)

	26-Jun-2021	Results
1	Carcinoma, Non-Small-Cell Lung/	57969
2	Lung Neoplasms/	229357
3	Spinal Neoplasms/	14326
4	Spinal Cord Compression/	11491
5	("metastatic spinal cord compression*" or "metastatic epidural spinal cord compression*" or "secondary spine tumor*" or "spin* metasta*" or "metastases to the spine").ab,ti.	3303
6	1 or 2	232041
7	3 or 4 or 5	25385
8	6 and 7	933
9	Limit 8 to humans	916

The screenshot shows the Ovid search history interface. At the top, there is a navigation bar with 'Ovid' logo and links for 'My Account', 'Ask A Librarian', 'Support & Training', 'Help', 'Feedback', and 'Logoff'. Below the navigation bar is a 'Search History' section with a dropdown arrow and '(9)' next to it. The search history is presented as a table with columns for search number, search text, results, type, actions, and annotations. The search history items are as follows:

#	Searches	Results	Type	Actions	Annotations
1	Carcinoma, Non-Small-Cell Lung/	57969	Advanced	Display Results More	Contract
2	Lung Neoplasms/	229357	Advanced	Display Results More	
3	Spinal Neoplasms/	14326	Advanced	Display Results More	
4	Spinal Cord Compression/	11491	Advanced	Display Results More	
5	("metastatic spinal cord compression*" or "metastatic epidural spinal cord compression*" or "secondary spine tumor*" or "spin* metasta*" or "metastases to the spine").ab,ti.	3303	Advanced	Display Results More	
6	1 or 2	232041	Advanced	Display Results More	
7	3 or 4 or 5	25385	Advanced	Display Results More	
8	6 and 7	933	Advanced	Display Results More	
9	limit 8 to humans	916	Advanced	Display Results More	

At the bottom of the search history, there are buttons for 'Save', 'Remove', and 'Combine with: AND OR'.

## Embase

Safari Version 14.1.1 (16611.2.7.1.4)

	26-Jun-2021	Results
1	'non small cell lung cancer'	144,397
2	'lung cancer'	359,181
3	'lung carcinoma'	66,851
4	'spinal cord compression'	19,483
5	'spinal cord metastasis'	3,571
6	'metastatic spinal cord compression'	559
7	'metastatic epidural spinal cord compression'	230
8	'spine tumor'	5,763
9	'spin* metasta*' OR 'metastases to the spine':ab,ti	7,926
10	#1 OR #2 OR #3	393,517
11	#4 OR #5 OR #6 OR #7 OR #8 OR #9	32,180
12	#10 AND #11	1,714
13	#10 AND #11 AND [embase]/lim AND [humans]/lim	1,564

Embase®

Search Emtree Journals **Results** My tools Activate Personalization Logout (1)

### Results Filters

+ Expand - Collapse all

- Sources
- Drugs
- Diseases
- Devices
- Floating Subheadings
- Age
- Gender
- Study types
- Publication types

### History

Save | Delete | Print view | Export | Email

Combine >

using  And  Or

<input type="checkbox"/>	<b>#13</b> #10 AND #11 AND [embase]/lim AND [humans]/lim	1,564
<input type="checkbox"/>	<b>#12</b> #10 AND #11	1,714
<input type="checkbox"/>	<b>#11</b> #4 OR #5 OR #6 OR #7 OR #8 OR #9	32,180
<input type="checkbox"/>	<b>#10</b> #1 OR #2 OR #3	393,517
<input type="checkbox"/>	<b>#9</b> 'spin* metasta*' OR 'metastases to the spine':ab,ti	7,926
<input type="checkbox"/>	<b>#8</b> 'spine tumor'	5,763
<input type="checkbox"/>	<b>#7</b> 'metastatic epidural spinal cord compression'	230
<input type="checkbox"/>	<b>#6</b> 'metastatic spinal cord compression'	559
<input type="checkbox"/>	<b>#5</b> 'spinal cord metastasis'	3,571
<input type="checkbox"/>	<b>#4</b> 'spinal cord compression'	19,483
<input type="checkbox"/>	<b>#3</b> 'lung carcinoma'	66,851
<input type="checkbox"/>	<b>#2</b> 'lung cancer'	359,181
<input type="checkbox"/>	<b>#1</b> 'non small cell lung cancer'	144,397

## Google Scholar


Safari Version 14.1.1 (16611.2.7.1.4)

28-Jun-2021

Find articles

with <b>all</b> of the words	survival spinal metastasis
with the <b>exact phrase</b>	non small cell lung cancer spine
with <b>at least one</b> of the words	non-small cell
<b>without</b> the words	Left empty
where my words occur	Select "anywhere in the article"
Return articles <b>authored</b> by	Left empty
Return articles <b>published</b> in	Left empty
Return articles <b>dated</b> between	Left empty

Results: 65 articles

× Advanced search 

**Find articles**

with **all** of the words

with the **exact phrase**

with **at least one** of the words

**without** the words

where my words occur  anywhere in the article  
 in the title of the article

Return articles **authored** by   
e.g., "PJ Hayes" or McCarthy

Return articles **published** in   
e.g., J Biol Chem or Nature

Return articles **dated** between  —   
e.g., 1996