



## Søgeprotokol for opdatering på NKR for behandling af hjernemetastaser

Projekttitel/aspekt	Opdateret søgning på PICO's for NKR for Hjernemetastaser (nr.7)
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Senest opdateret	20. oktober 2017

Baggrund	<p>Opdatering af pågældende NKR på følgende PICO's:</p> <p><b>PICO 1</b> Bør man foretage helhjernebestråling eller stereotaktisk strålebehandling mod operationskaviteten efter operativ resektion hos patienter med en enkelt hjernemetastase og med gennemsnitlig prognose?</p> <p><b>PICO 4</b> Bør man foretage stereotaktisk strålebehandling eller helhjernebestråling ved 5 eller flere hjernemetastaser, på hver 3 cm eller mindre, hos patienter med gennemsnitlig prognose?</p> <p><b>PICO 9</b> Bør man hos patienter som tidligere er behandlet med helhjernebestråling og med gennemsnitlig prognose udføre lokal behandling (operativ resektion eller stereotaktisk strålebehandling) af recidiverende hjernemetastaser?</p>
Søgetermer	se søgestrategien for pågældende PICO
Inklusions- og eksklusionskriterier	Tidsafgrænsning: se søgestrategien for pågældende PICO

### Informationskilder

DATABASER	INTERFACE	DATO FOR SØGNING
Medline	OVID	20.oktober 2017
Embase	OVID	20.oktober 2017



## Søgestrategier og fund

### PICO 1

#### Medline

Database(s): **Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present**

Search Strategy:

#	Searches	Results
1	Brain Neoplasms/ or brain metastasis.mp. or Neoplasm Metastasis/	205143
2	Brain Neoplasms/ or brain metastas*.mp.	110454
3	(metastasis or metastases).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	405205
4	metastas*.mp.	413868
5	(brain or brainstem or cerebral or intracerebral or cerebellar).mp.	1625303
6	((Brain or Brainstem or Cerebral or Intracerebral or Intracranial or Cerebellar) adj5 metasta*).mp.	17513
7	stereotactic*.mp. or stereotactic radiosurgery/ or stereotactic treatment/	28610
8	stereotaxic surgery/ or stereotaxic*.mp. or stereotactic procedure/	19516
9	gamma knife.mp. or gamma knife/	4382
10	linac.mp.	3230
11	proton.mp. or proton/	122677
12	cyberknife.mp. or CyberKnife/	1255
13	local therapy/ or local therap*.mp.	4672
14	neurosurg*.mp.	69602
15	neurosurgical*.mp.	46002
16	neurosurgical procedures.mp.	28467
17	radiotherapy.mp. or Radiotherapy/	238314
18	radiotherap*.mp.	240332
19	(whole brain radiotherapy or wbrt).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	2295
20	irradiation.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	188740



21	irradiation.mp.	188740
22	radiation.mp. or Radiation/	475926
23	radiosurgery.mp. or Radiosurgery/	17307
24	(surgical resection or srs).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	54615
25	brain surg*.mp.	1897
26	1 or 2 or 3 or 4	505277
27	5 and 26	117518
28	6 or 27	118440
29	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25	959543
30	28 and 29	35233
31	(randomized controlled trial* or randomised controlled trial* or controlled clinical trial* or rct).ti,ab,kw.	172897
32	30 and 31	191
33	limit 30 to (controlled clinical trial or randomized controlled trial)	864
34	32 or 33	1023
35	limit 34 to (yr="2013 - 2017" and (danish or english or norwegian or swedish))	235

## Embase

Database(s): **Embase** 1974 to 2017 Week 41

Search Strategy:

#	Searches	Results
1	Brain Neoplasms/ or brain metastasis.mp. or Neoplasm Metastasis/	170057
2	Brain Neoplasms/ or brain metastas*.mp.	56101
3	(metastasis or metastases).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	626328
4	metastas*.mp.	634019
5	(brain or brainstem or cerebral or intracerebral or cerebellar).mp.	2034661
6	((Brain or Brainstem or Cerebral or Intracerebral or Intracranial or Cerebellar) adj5 metasta*).mp.	33673
7	stereotactic*.mp. or stereotactic radiosurgery/ or stereotactic treatment/	40158
8	stereotaxic surgery/ or stereotaxic*.mp. or stereotactic procedure/	21220
9	gamma knife.mp. or gamma knife/	8163
10	linac.mp.	5072

11	proton.mp. or proton/	268233
12	cyberknife.mp. or CyberKnife/	2881
13	local therapy/ or local therap*.mp.	9778
14	neurosurg*.mp.	91235
15	neurosurgical*.mp.	30955
16	neurosurgical procedures.mp.	3090
17	radiotherapy.mp. or Radiotherapy/	492018
18	radiotherap*.mp.	493814
19	(whole brain radiotherapy or wbrt).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	4091
20	irradiation.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	233658
21	irradiation.mp.	233658
22	radiation.mp. or Radiation/	770037
23	radiosurgery.mp. or Radiosurgery/	23140
24	(surgical resection or srs).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	71155
25	brain surg*.mp.	11185
26	1 or 2 or 3 or 4	660422
27	5 and 26	75186
28	6 or 27	76439
29	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25	1527400
30	28 and 29	31287
31	(randomized controlled trial* or randomised controlled trial* or controlled clinical trial* or rct).ti,ab,kw.	212642
32	30 and 31	205
33	limit 30 to (controlled clinical trial or randomized controlled trial)	939
34	32 or 33	1079
35	limit 34 to (yr="2013 - 2017" and (danish or english or norwegian or swedish))	351



**PICO 4**

**Medline**

Database(s): **Ovid MEDLINE(R) Epub Ahead of Print, In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R)** 1946 to Present

Search Strategy:

#	Searches	Results
1	Brain Neoplasms/ or brain metastasis.mp. or Neoplasm Metastasis/	205143
2	Brain Neoplasms/ or brain metastas*.mp.	110454
3	(metastasis or metastases).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	405205
4	metastas*.mp.	413868
5	(brain or brainstem or cerebral or intracerebral or cerebellar).mp.	1625303
6	((Brain or Brainstem or Cerebral or Intracerebral or Intracranial or Cerebellar) adj5 metasta*).mp.	17513
7	stereotactic*.mp. or stereotactic radiosurgery/ or stereotactic treatment/	28610
8	stereotaxic surgery/ or stereotaxic*.mp. or stereotactic procedure/	19516
9	gamma knife.mp. or gamma knife/	4382
10	linac.mp.	3230
11	proton.mp. or proton/	122677
12	cyberknife.mp. or CyberKnife/	1255
13	local therapy/ or local therap*.mp.	4672
14	radiotherapy.mp. or Radiotherapy/	238314
15	radiotherap*.mp.	240332
16	(whole brain radiotherapy or wbrt).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	2295
17	irradiation.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	188740
18	irradiation.mp.	188740
19	radiation.mp. or Radiation/	475926
20	radiosurgery.mp. or Radiosurgery/	17307
21	1 or 2 or 3 or 4	505277
22	5 and 21	117518



23	6 or 22	118440
24	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20	856187
25	23 and 24	29056
26	(randomized controlled trial* or randomised controlled trial* or controlled clinical trial* or rct).ti,ab,kw.	172897
27	limit 25 to (controlled clinical trial or randomized controlled trial)	781
28	25 and 26	174
29	27 or 28	925
30	limit 29 to (yr="2003 - 2017" and (danish or english or norwegian or swedish))	472

## Embase

Database(s): **Embase** 1974 to 2017 Week 41

Search Strategy:

#	Searches	Results
1	Brain Neoplasms/ or brain metastasis.mp. or Neoplasm Metastasis/	170057
2	Brain Neoplasms/ or brain metastas*.mp.	56101
3	(metastasis or metastases).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	626328
4	metastas*.mp.	634019
5	(brain or brainstem or cerebral or intracerebral or cerebellar).mp.	2034661
6	((Brain or Brainstem or Cerebral or Intracerebral or Intracranial or Cerebellar) adj5 metasta*).mp.	33673
7	stereotactic*.mp. or stereotactic radiosurgery/ or stereotactic treatment/	40158
8	stereotaxic surgery/ or stereotaxic*.mp. or stereotactic procedure/	21220
9	gamma knife.mp. or gamma knife/	8163
10	linac.mp.	5072
11	proton.mp. or proton/	268233
12	cyberknife.mp. or CyberKnife/	2881
13	local therapy/ or local therap*.mp.	9778
14	radiotherapy.mp. or Radiotherapy/	492018
15	radiotherap*.mp.	493814
16	(whole brain radiotherapy or wbrt).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	4091
17	irradiation.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug	233658

	manufacturer, device trade name, keyword, floating subheading word]	
18	irradiation.mp.	233658
19	radiation.mp. or Radiation/	770037
20	radiosurgery.mp. or Radiosurgery/	23140
21	1 or 2 or 3 or 4	660422
22	5 and 21	75186
23	6 or 22	76439
24	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20	1393390
25	23 and 24	27789
26	(randomized controlled trial* or randomised controlled trial* or controlled clinical trial* or rct).ti,ab,kw.	212642
27	limit 25 to (controlled clinical trial or randomized controlled trial)	882
28	25 and 26	199
29	27 or 28	1018
30	limit 29 to (yr="2003 - 2017" and (danish or english or norwegian or swedish))	682

## **PICO 9**

### **Medline**

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3	(metastasis or metastases).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	405205
4	metastas*.mp.	413868
5	(brain or brainstem or cerebral or intracerebral or cerebellar).mp.	1625303
6	((Brain or Brainstem or Cerebral or Intracerebral or Intracranial or Cerebellar) adj5 metasta*).mp.	17513
7	local therapy/ or local therap*.mp.	4672
8	radiotherapy.mp. or Radiotherapy/	238314
9	radiotherap*.mp.	240332



10	(whole brain radiotherapy or wbrt).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	2295
11	radiation.mp. or Radiation/	475926
12	1 or 2 or 3 or 4	505277
13	5 and 12	117518
14	6 or 13	118440
15	stereotactic*.mp.	23157
16	stereotaxic*.mp.	19516
17	Stereotaxic Techniques.mp. or Stereotaxic Techniques/	15491
18	stereotactic treatment*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	246
19	stereotactic procedure*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	418
20	stereotaxic treatment*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	46
21	stereotaxic procedures.mp.	63
22	Neoplasm Recurrence, Local/ or neoplasm recurrence.mp.	109758
23	(recurren* or retreat* or relaps* or recrudesc* or local recurrence* or return* or postrecurren*).mp. [mp=title, abstract, original title, name of substance word, subject heading word, keyword heading word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	971600
24	7 or 8 or 9 or 10 or 11 or 15 or 16 or 17 or 18 or 19 or 20 or 21	646726
25	14 and 24	25843
26	22 or 23	971600
27	25 and 26	6465
28	(randomized controlled trial* or randomised controlled trial* or controlled clinical trial* or rct).ti,ab,kw.	172897
29	27 and 28	43
30	limit 27 to (controlled clinical trial or randomized controlled trial)	176
31	29 or 30	216
32	limit 31 to (yr="2013 - 2017" and (danish or english or norwegian or swedish))	48



## Embase

Database(s): **Embase** 1974 to 2017 Week 41

Search Strategy:

#	Searches	Results
1	Brain Neoplasms/ or brain metastasis.mp. or Neoplasm Metastasis/	170057
2	Brain Neoplasms/ or brain metastas*.mp.	56101
3	(metastasis or metastases).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	626328
4	metastas*.mp.	634019
5	(brain or brainstem or cerebral or intracerebral or cerebellar).mp.	2034661
6	((Brain or Brainstem or Cerebral or Intracerebral or Intracranial or Cerebellar) adj5 metasta*).mp.	33673
7	local therapy/ or local therap*.mp.	9778
8	radiotherapy.mp. or Radiotherapy/	492018
9	radiotherap*.mp.	493814
10	(whole brain radiotherapy or wbrt).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	4091
11	radiation.mp. or Radiation/	770037
12	1 or 2 or 3 or 4	660422
13	5 and 12	75186
14	6 or 13	76439
15	stereotactic*.mp.	40158
16	stereotaxic*.mp.	19397
17	Stereotaxic Techniques.mp. or Stereotaxic Techniques/	2126
18	stereotactic treatment*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	1374
19	stereotactic procedure*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	2969
20	stereotaxic treatment*.mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word]	47
21	stereotaxic procedures.mp.	77
22	Neoplasm Recurrence, Local/ or neoplasm recurrence.mp.	21119
23	(recurren* or retreat* or relaps* or recrudesc* or local recurrence* or return* or postrecurren*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer,	1290655



	device trade name, keyword, floating subheading word]	
24	7 or 8 or 9 or 10 or 11 or 15 or 16 or 17 or 18 or 19 or 20 or 21	1066781
25	14 and 24	26297
26	22 or 23	1290655
27	25 and 26	6937
28	(randomized controlled trial* or randomised controlled trial* or controlled clinical trial* or rct).ti,ab,kw.	212642
29	27 and 28	54
30	limit 27 to (controlled clinical trial or randomized controlled trial)	221
31	29 or 30	261
32	limit 31 to (yr="2013 - 2017" and (danish or english or norwegian or swedish))	75