

Søgeprotokol Systematiske Reviews eller RCT

Projekttitel/aspekt	NKR for perkutan vertebroplastik (PVP) til palliativ behandling af maligne sammenfald i ryggen Guidelines
Fagkonsulent / projektleder	Andreas Kirkegaard ao_kirkegaard@hotmail.com og Marianne Dyrbo Lorenzen Marianne.Dyrbo.Lorenzen@rsyd.dk
Søgespecialist	Conni Skrubbeltrang cs@rn.dk
Senest opdateret	
PICO Spørgsmål	<p>PICO 1 Bør cancerpatienter med smertefulde sammenfald i ryggen have tilbudt palliativ vertebroplastik/kyfoplastik fremfor konservativ behandling?</p> <p>PICO 2 Bør patienter med smertefulde sammenfald i ryggen på baggrund af hæmatologiske kræftsygdomme have tilbudt vertebroplastik/kyfoplastik fremfor konservativ behandling?</p> <p>PICO 3 Bør bagkantsdefekter kontraindicere vertebroplastik/kyfoplastik til behandling af smertefulde sammenfald i ryggen hos cancerpatienter?</p>

PICO 1

Database	Interface	Resultat	Dato
PubMed	Pubmed.gov	88	10.04.2019
EMBASE	Embase.com	529	10.04.2019
CINAHL	Ebsco	90	10.04.2019
		707	
Efter dubletsøgning i Endnote		590	



PubMed

History

[Download history](#)[Clear history](#)

Search	Add to builder	Query	Items found
#127	Add	Search (((((((((((("Spine"[Mesh]) OR "Back"[Mesh]) OR "Thorax"[Mesh]) OR "Osteoporotic Fractures"[Mesh]) OR "Back Pain"[Mesh]) OR "Spinal Fractures"[Mesh]) OR "Spinal Diseases"[Mesh]) OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw]))) AND (((((((((((("Neoplasms"[Mesh]) OR cancer[Text Word]) OR (tumor[Text Word] OR tumors[Text Word] OR tumour[Text Word] OR tumours[Text Word])) OR malignan*[Text Word]) OR metasta*[Text Word]) OR multiple myeloma*[Text Word]) OR plasma cell myeloma*[Text Word]) OR "secondary"[Subheading]) OR myelomatos*[Text Word]) OR Leukemia*[tw]) OR Lymphoma*[tw]) OR Plasmacytoma*[tw])) AND (((((((((((("Vertebroplasty"[Mesh]) OR "Bone Cements"[Mesh]) OR "Methylmethacrylates"[Mesh]) OR "Fracture Fixation, Internal"[Mesh]) OR Kyphoplast*[Text Word]) OR methacryl*[Text Word]) OR bone cement*[Text Word]) OR vertebroplast*[Text Word]) OR cementoplast*[Text Word]) OR sacroplast*[Text Word]) OR percutaneous osteoplast*[Text Word]) OR osteosynthesis[Text Word]) OR augmentation*[tw]))) AND (((("Systematic Review"[Publication Type] OR "Systematic Reviews as Topic"[Mesh])) OR systematic[sb])) OR (((("Controlled Clinical Trial"[Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh])) OR (((random*[Text Word] OR controlled[Text Word] OR crossover[Text Word] OR cross-over[Text Word] OR blind*[Text Word] OR mask*[Text Word])) AND (trial OR trials OR study OR studies OR analyz* OR analys*))) OR rct[Text Word]) OR (((singl*[Text Word] OR doubl*[Text Word] OR tripl*[Text Word])) AND (blind[Text Word] OR mask[Text Word]))) OR placebo[Text Word])) Filters: Publication date from 2009/01/01 to 2019/12/31; Danish; English; German; Norwegian	88
#122	Add	Search (((((((((((("Spine"[Mesh]) OR "Back"[Mesh]) OR "Thorax"[Mesh]) OR "Osteoporotic Fractures"[Mesh]) OR "Back Pain"[Mesh]) OR "Spinal Fractures"[Mesh]) OR "Spinal Diseases"[Mesh]) OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw]))) AND (((((((((((("Neoplasms"[Mesh]) OR cancer[Text Word]) OR (tumor[Text Word] OR tumors[Text Word] OR tumour[Text Word] OR tumours[Text Word])) OR malignan*[Text Word]) OR metasta*[Text Word]) OR multiple myeloma*[Text Word]) OR plasma cell myeloma*[Text Word]) OR "secondary"[Subheading]) OR myelomatos*[Text Word]) OR Leukemia*[tw]) OR Lymphoma*[tw]) OR Plasmacytoma*[tw])) AND (((((((((((("Vertebroplasty"[Mesh]) OR "Bone Cements"[Mesh]) OR "Methylmethacrylates"[Mesh]) OR "Fracture Fixation, Internal"[Mesh]) OR Kyphoplast*[Text Word]) OR methacryl*[Text Word]) OR bone cement*[Text Word]) OR vertebroplast*[Text Word]) OR cementoplast*[Text Word]) OR sacroplast*[Text Word]) OR percutaneous osteoplast*[Text Word]) OR osteosynthesis[Text Word]) OR augmentation*[tw]))) AND (((("Systematic Review"[Publication Type] OR "Systematic Reviews as Topic"[Mesh])) OR systematic[sb])) OR (((("Controlled Clinical Trial"[Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh])) OR (((random*[Text Word] OR controlled[Text Word] OR crossover[Text Word] OR cross-over[Text Word] OR blind*[Text Word] OR mask*[Text Word])) AND (trial OR trials OR study OR studies OR analyz* OR analys*))) OR rct[Text Word]) OR	118



		((singl*[Text Word] OR doubl*[Text Word] OR tripl*[Text Word])) AND (blind[Text Word] OR mask[Text Word])) OR placebo[Text Word]))	
#121	Add	Search (((("Systematic Review"[Publication Type] OR "Systematic Reviews as Topic"[Mesh])) OR systematic[sb])) OR (((("Controlled Clinical Trial"[Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh])) OR ((random*[Text Word] OR controlled[Text Word] OR crossover[Text Word] OR cross-over[Text Word] OR blind*[Text Word] OR mask*[Text Word])) AND (trial OR trials OR study OR studies OR analyz* OR analys*))) OR rct[Text Word]) OR ((singl*[Text Word] OR doubl*[Text Word] OR tripl*[Text Word])) AND (blind[Text Word] OR mask[Text Word])) OR placebo[Text Word])	1735484
#120	Add	Search (((("Controlled Clinical Trial"[Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh])) OR ((random*[Text Word] OR controlled[Text Word] OR crossover[Text Word] OR cross-over[Text Word] OR blind*[Text Word] OR mask*[Text Word])) AND (trial OR trials OR study OR studies OR analyz* OR analys*))) OR rct[Text Word]) OR ((singl*[Text Word] OR doubl*[Text Word] OR tripl*[Text Word])) AND (blind[Text Word] OR mask[Text Word])) OR placebo[Text Word]	1669279
#119	Add	Search (("Systematic Review"[Publication Type] OR "Systematic Reviews as Topic"[Mesh])) OR systematic[sb]	129561
#118	Add	Search (((((((("Spine"[Mesh] OR "Back"[Mesh] OR "Thorax"[Mesh] OR "Osteoporotic Fractures"[Mesh] OR "Back Pain"[Mesh] OR "Spinal Fractures"[Mesh] OR "Spinal Diseases"[Mesh] OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw])) AND (((((((("Neoplasms"[Mesh] OR cancer[Text Word] OR (tumor[Text Word] OR tumors[Text Word] OR tumour[Text Word] OR tumours[Text Word]) OR malignan*[Text Word]) OR metasta*[Text Word]) OR multiple myeloma*[Text Word]) OR plasma cell myeloma*[Text Word]) OR "secondary"[Subheading]) OR myelomatos*[Text Word] OR Leukemia*[tw] OR Lymphoma*[tw] OR Plasmacytoma*[tw])) AND (((((((("Vertebroplasty"[Mesh] OR "Bone Cements"[Mesh] OR "Methylmethacrylates"[Mesh] OR "Fracture Fixation, Internal"[Mesh] OR Kyphoplast*[Text Word] OR methacryl*[Text Word]) OR bone cement*[Text Word]) OR vertebroplast*[Text Word] OR cementoplast*[Text Word] OR sacroplast*[Text Word] OR percutaneous osteoplast*[Text Word] OR osteosynthesis[Text Word] OR augmentation*[tw]))	1990
#117	Add	Search (((((((("Vertebroplasty"[Mesh] OR "Bone Cements"[Mesh] OR "Methylmethacrylates"[Mesh] OR "Fracture Fixation, Internal"[Mesh] OR Kyphoplast*[Text Word] OR methacryl*[Text Word]) OR bone cement*[Text Word]) OR vertebroplast*[Text Word] OR cementoplast*[Text Word] OR sacroplast*[Text Word] OR percutaneous osteoplast*[Text Word] OR osteosynthesis[Text Word] OR augmentation*[tw]))	153567
#115	Add	Search (((((((("Neoplasms"[Mesh] OR cancer[Text Word] OR (tumor[Text Word] OR tumors[Text Word] OR tumour[Text Word] OR tumours[Text Word]) OR malignan*[Text Word]) OR metasta*[Text Word]) OR multiple myeloma*[Text Word]) OR plasma cell myeloma*[Text Word]) OR "secondary"[Subheading]) OR myelomatos*[Text Word] OR Leukemia*[tw] OR Lymphoma*[tw] OR Plasmacytoma*[tw]	4176340
#114	Add	Search (((((((("Spine"[Mesh] OR "Back"[Mesh] OR "Thorax"[Mesh] OR "Osteoporotic Fractures"[Mesh] OR "Back Pain"[Mesh] OR "Spinal Fractures"[Mesh] OR "Spinal Diseases"[Mesh] OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw]))	1176177



EMBASE

#3 4	#31 AND #32 AND #33	529
#3 3	[2009-2019]/py	1408686 6
#3 2	danish:la OR english:la OR swedish:la OR norwegian:la OR german:la	3057151 2
#3 1	#29 NOT #30	882
#3 0	'conference abstract'/it	3331204
#2 9	#18 AND #28	1148
#2 8	#23 OR #27	8262566
#2 7	#24 OR #25 OR #26	1492122
#2 6	'systematic review'/exp OR 'meta analysis'/exp	245463
#2 5	'meta analy*':ti,ab,de OR 'meta-analy*':ti,ab,de OR metaanaly*':ti,ab,de	227900
#2 4	((systematic OR method*) NEAR/3 (review* OR overview* OR study OR studies OR search* OR approach*)):ti,ab,de	1245133
#2 3	#19 OR #20 OR #21 OR #22	7241189
#2 2	(((single OR double OR triple) NEAR/2 (blind* OR mask*)):ti,ab,de) OR placebo:ti,ab,de	531185
#2 1	(((random* OR controlled* OR crossover OR 'cross over' OR blind* OR mask*) NEAR/3 (trial* OR study OR studies OR analy*)):ti,ab,de) OR rct:ti,ab,de	6454052
#2 0	'randomized controlled trial'/exp	499205
#1 9	'controlled clinical trial'/exp	666131
#1 8	#7 AND #13 AND #17	4587
#1 7	#14 OR #15 OR #16	6082815
#1 6	'multiple myeloma*':ti,ab,kw OR 'plasma cell myeloma*':ti,ab,kw OR myelomatos*':ti,ab,kw OR secondary:ti,ab,kw OR leukemia*':ti,ab,kw OR lymphoma*':ti,ab,kw OR plasmacytoma*':ti,ab,kw OR leukaemia*':ti,ab,kw	1398511
#1 5	cancer:ti,ab,kw OR tumor*':ti,ab,kw OR tumour*':ti,ab,kw OR malignan*':ti,ab,kw OR metasta*':ti,ab,kw	3784343
#1 4	'neoplasm'/exp	4526618
#1 3	#8 OR #9 OR #10 OR #11 OR #12	159111
#1 2	kyphoplast*':ti,ab,kw OR methacryl*':ti,ab,kw OR 'bone cement*':ti,ab,kw OR vertebroplast*':ti,ab,kw OR cementoplast*':ti,ab,kw OR sacroplast*':ti,ab,kw OR 'percutaneous osteoplast*':ti,ab,kw OR 'fracture fixation*':ti,ab,kw OR methylmethacrylate*':ti,ab,kw OR osteosynthesis:ti,ab,kw OR augmentation*':ti,ab,kw	120260

#1 1	'osteosynthesis'/exp	37602
#1 0	'methacrylic acid methyl ester'/exp	6736
#9	'bone cement'/exp	14028
#8	'percutaneous vertebroplasty'/exp	6361
#7	#1 OR #2 OR #3 OR #4 OR #5 OR #6	1500646
#6	spine:ti,ab,kw OR spinal:ti,ab,kw OR vertebra*:ti,ab,kw OR column*:ti,ab,kw OR lumbar:ti,ab,kw OR sacrum*:ti,ab,kw OR sacral*:ti,ab,kw OR back:ti,ab,kw OR backache*:ti,ab,kw OR thoracic:ti,ab,kw OR 'osteoporotic fracture*':ti,ab,kw	1227758
#5	'spine disease'/exp	230225
#4	'spine fracture'/exp	33614
#3	'thorax'/exp	150179
#2	'backache'/exp	102293
#1	'back'/exp	208267

CINAHL

Search ID#	Search Terms	Search Options	Results
S30	S19 AND S28	Limiters - Published Date: 20090101-20191231; Language: Danish, English, German, Norwegian, Swedish Search modes - Boolean/Phrase	15
S29	S19 AND S28	Search modes - Boolean/Phrase	16
S28	S23 OR S27	Search modes - Boolean/Phrase	683,479
S27	S24 OR S25 OR S26	Search modes - Boolean/Phrase	377,534
S26	TX (placebo* or single-blind* or double-blind* or triple-blind* or ((single or double or triple) N1 (blind* or mask*)))	Search modes - Boolean/Phrase	116,702
S25	TX (((random* or control#ed or crossover or cross-over or blind* or mask*) N3 (trial* or study or studies or analy*)) or rct)	Search modes - Boolean/Phrase	360,905
S24	PT Randomized Controlled Trial	Search modes - Boolean/Phrase	87,231
S23	S20 OR S21 OR S22	Search modes - Boolean/Phrase	422,801
S22	((pooled N1 (data or analys*)))	Search modes - Boolean/Phrase	7,172
S21	TX (((systematic OR method*) N3 (review* OR overview* OR study OR studies OR search* OR	Search modes - Boolean/Phrase	419,549



	approach*)) OR meta analy* OR meta-analy* OR metaanaly*)		
S20	PT (Systematic Review or Meta Analysis)	Search modes - Boolean/Phrase	87,321
S19	S12 AND S18 AND S4	Search modes - Boolean/Phrase	110
S18	S13 OR S14 OR S15 OR S16 OR S17	Search modes - Boolean/Phrase	25,676
S17	kyphoplast* OR methacryl* OR bone cement* OR vertebroplast* OR cementoplast* OR sacroplast* OR percutaneous osteoplast* OR fracture fixation* OR kyphoplast* OR methacryl* OR bone cement* OR vertebroplast* OR cementoplast* OR sacroplast* OR percutaneous osteoplast* OR osteosynthesis OR augmentation*	Search modes - Boolean/Phrase	25,334
S16	(MH "Fracture Fixation+")	Search modes - Boolean/Phrase	11,842
S15	(MH "Methylmethacrylates")	Search modes - Boolean/Phrase	885
S14	(MH "Bone Cements")	Search modes - Boolean/Phrase	2,755
S13	(MH "Vertebroplasty+")	Search modes - Boolean/Phrase	1,269
S12	S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11	Search modes - Boolean/Phrase	218,439
S11	spine OR spinal or vertebra* OR column* OR lumbar OR sacrum* OR sacral* OR back OR backache* OR thoracic OR Osteoporotic fracture*	Search modes - Boolean/Phrase	207,226
S10	(MH "Spinal Diseases+")	Search modes - Boolean/Phrase	27,968
S9	(MH "Back Pain+")	Search modes - Boolean/Phrase	26,753
S8	(MH "Osteoporotic Fractures")	Search modes - Boolean/Phrase	270
S7	(MH "Thorax+")	Search modes - Boolean/Phrase	6,051
S6	(MH "Back")	Search modes - Boolean/Phrase	2,963
S5	(MH "Spine+") OR (MH "Spinal Fractures+")	Search modes - Boolean/Phrase	40,072
S4	S1 OR S2 OR S3	Search modes - Boolean/Phrase	63,799
S3	sarcoma* OR germinoblastoma* OR leukaemia* OR Leucocythemia* OR Leucocythaemia* OR leukemia* OR myeloma* OR lymphoma* OR plasmacytoma* OR plasma cytoma* OR hematologic cancer* OR	Search modes - Boolean/Phrase	61,323



	hematologic malignanc* OR haematologic cancer* OR haematologic malignanc*		
S2	(MH "Leukemia+") OR (MH "Lymphoma+")	Search modes - Boolean/Phrase	37,791
S1	(MH "Hematologic Neoplasms+")	Search modes - Boolean/Phrase	2,635

PICO 2

Database	Interface		Dato
PubMed	Pubmed.gov	21	11.04.2019
EMBASE	Embase.com	92	11.04.2019
CINAHL	Ebsco	15	11.04.2019
Ialt		128	
I alt efter dublesøgning i Endnote		102	

PubMed

Search	Add to builder	Query	Items found
#29	Add	<p>((((((((("Hematologic Neoplasms"[Mesh]) OR (((("Leukemia"[Mesh]) OR "Lymphoma"[Mesh]) OR "Multiple Myeloma"[Mesh])) OR "Plasmacytoma"[Mesh]) OR ((sarcoma*[Text Word] OR germinoblastoma*[Text Word] OR leukaemia*[Text Word] OR Leucocythemia*[Text Word] OR Leucocythaemia*[Text Word] OR leukemia*[Text Word] OR myeloma*[Text Word] OR lymphoma*[Text Word] OR plasmacytoma*[Text Word] OR plasma cytoma*[Text Word] OR hematologic cancer*[Text Word] OR haematologic cancer*[Text Word] OR hematologic malignanc*[Text Word] OR haematologic malignanc*[Text Word]))) AND (((((((("Spine"[Mesh]) OR "Back"[Mesh]) OR "Thorax"[Mesh]) OR "Osteoporotic Fractures"[Mesh]) OR "Back Pain"[Mesh]) OR "Spinal Fractures"[Mesh]) OR "Spinal Diseases"[Mesh]) OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw]))) AND (((((((((((("Vertebroplasty"[Mesh]) OR "Bone Cements"[Mesh]) OR "Methylmethacrylates"[Mesh]) OR "Fracture Fixation, Internal"[Mesh]) OR Kyphoplast*[Text Word] OR methacryl*[Text Word] OR bone cement*[Text Word] OR vertebroplast*[Text Word] OR cementoplast*[Text Word] OR sacroplast*[Text Word] OR percutaneous osteoplast*[Text Word] OR osteosynthesis[Text Word] OR augmentation*[tw]))) AND (((("Systematic Review"[Publication Type] OR "Systematic Reviews as Topic"[Mesh]) OR systematic[sb])) OR (((("Controlled Clinical Trial"[Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh]) OR ((random*[Text Word] OR controlled[Text Word] OR crossover[Text Word] OR cross-over[Text Word] OR blind*[Text Word] OR mask*[Text Word])) AND (trial OR trials OR study OR studies OR analyz* OR analys*))) OR rct[Text Word]) OR ((singl*[Text Word]</p>	21



		OR doubl*[Text Word] OR tripl*[Text Word])) AND (blind[Text Word] OR mask[Text Word])) OR placebo[Text Word])) AND (("2009/01/01"[PDat] : "2019/12/31"[PDat]) AND (Danish[lang] OR English[lang] OR German[lang] OR Norwegian[lang] OR Swedish[lang])))	
#26	Add	Search (((((((("Hematologic Neoplasms"[Mesh]) OR (((("Leukemia"[Mesh]) OR "Lymphoma"[Mesh]) OR "Multiple Myeloma"[Mesh])) OR "Plasmacytoma"[Mesh]) OR ((sarcoma*[Text Word] OR germinoblastoma*[Text Word] OR leukaemia*[Text Word] OR Leucocythemia*[Text Word] OR Leucocythaemia*[Text Word] OR leukemia*[Text Word] OR myeloma*[Text Word] OR lymphoma*[Text Word] OR plasmacytoma*[Text Word] OR plasma cytoma*[Text Word]))) AND (((((((("Spine"[Mesh]) OR "Back"[Mesh]) OR "Thorax"[Mesh]) OR "Osteoporotic Fractures"[Mesh]) OR "Back Pain"[Mesh]) OR "Spinal Fractures"[Mesh]) OR "Spinal Diseases"[Mesh]) OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw]))) AND (((((((((((("Vertebroplasty"[Mesh]) OR "Bone Cements"[Mesh]) OR "Methylmethacrylates"[Mesh]) OR "Fracture Fixation, Internal"[Mesh]) OR Kyphoplast*[Text Word] OR methacryl*[Text Word] OR bone cement*[Text Word] OR vertebroplast*[Text Word] OR cementoplast*[Text Word] OR sacroplast*[Text Word] OR percutaneous osteoplast*[Text Word] OR osteosynthesis[Text Word] OR augmentation*[tw]))) AND (((("Systematic Review"[Publication Type] OR "Systematic Reviews as Topic"[Mesh]) OR systematic[sb])) OR (((("Controlled Clinical Trial"[Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh]) OR ((random*[Text Word] OR controlled[Text Word] OR crossover[Text Word] OR cross-over[Text Word] OR blind*[Text Word] OR mask*[Text Word])) AND (trial OR trials OR study OR studies OR analyz* OR analys*)) OR rct[Text Word]) OR ((singl*[Text Word] OR doubl*[Text Word] OR tripl*[Text Word])) AND (blind[Text Word] OR mask[Text Word])) OR placebo[Text Word]))	26
#25	Add	Search (((("Systematic Review"[Publication Type] OR "Systematic Reviews as Topic"[Mesh])) OR systematic[sb])) OR (((((((("Controlled Clinical Trial"[Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh])) OR ((random*[Text Word] OR controlled[Text Word] OR crossover[Text Word] OR cross-over[Text Word] OR blind*[Text Word] OR mask*[Text Word])) AND (trial OR trials OR study OR studies OR analyz* OR analys*)) OR rct[Text Word]) OR ((singl*[Text Word] OR doubl*[Text Word] OR tripl*[Text Word])) AND (blind[Text Word] OR mask[Text Word])) OR placebo[Text Word])	1736888
#24	Add	Search (((((((("Controlled Clinical Trial"[Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh])) OR ((random*[Text Word] OR controlled[Text Word] OR crossover[Text Word] OR cross-over[Text Word] OR blind*[Text Word] OR mask*[Text Word])) AND (trial OR trials OR study OR studies OR analyz* OR analys*)) OR rct[Text Word]) OR (((singl*[Text Word] OR doubl*[Text Word] OR tripl*[Text Word])) AND (blind[Text Word] OR mask[Text Word])) OR placebo[Text Word]	1670508
#23	Add	Search (("Systematic Review"[Publication Type] OR "Systematic Reviews as Topic"[Mesh])) OR systematic[sb]	129842
#21	Add	Search (((((((("Hematologic Neoplasms"[Mesh]) OR (((("Leukemia"[Mesh]) OR "Lymphoma"[Mesh]) OR "Multiple Myeloma"[Mesh])) OR "Plasmacytoma"[Mesh]) OR ((sarcoma*[Text Word] OR germinoblastoma*[Text Word] OR leukaemia*[Text Word] OR	394



		Leucocythemia*[Text Word] OR Leucocythaemia*[Text Word] OR leukemia*[Text Word] OR myeloma*[Text Word] OR lymphoma*[Text Word] OR plasmacytoma*[Text Word] OR plasma cytoma*[Text Word])) AND (((((((("Spine"[Mesh]) OR "Back"[Mesh]) OR "Thorax"[Mesh]) OR "Osteoporotic Fractures"[Mesh]) OR "Back Pain"[Mesh]) OR "Spinal Fractures"[Mesh]) OR "Spinal Diseases"[Mesh]) OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw]))) AND (((((((((((("Vertebroplasty"[Mesh]) OR "Bone Cements"[Mesh]) OR "Methylmethacrylates"[Mesh]) OR "Fracture Fixation, Internal"[Mesh]) OR Kyphoplast*[Text Word]) OR methacryl*[Text Word]) OR bone cement*[Text Word]) OR vertebroplast*[Text Word]) OR cementoplast*[Text Word]) OR sacroplast*[Text Word]) OR percutaneous osteoplast*[Text Word]) OR osteosynthesis[Text Word]) OR augmentation*[tw]))	
#22	Add	Search (((((((("Hematologic Neoplasms"[Mesh]) OR (("Leukemia"[Mesh]) OR "Lymphoma"[Mesh]) OR "Multiple Myeloma"[Mesh])) OR "Plasmacytoma"[Mesh]) OR ((sarcoma*[Text Word] OR germinoblastoma*[Text Word] OR leukaemia*[Text Word] OR Leucocythemia*[Text Word] OR Leucocythaemia*[Text Word] OR leukemia*[Text Word] OR myeloma*[Text Word] OR lymphoma*[Text Word] OR plasmacytoma*[Text Word] OR plasma cytoma*[Text Word])))) AND (((((((("Spine"[Mesh]) OR "Back"[Mesh]) OR "Thorax"[Mesh]) OR "Osteoporotic Fractures"[Mesh]) OR "Back Pain"[Mesh]) OR "Spinal Fractures"[Mesh]) OR "Spinal Diseases"[Mesh]) OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw]))) AND (((((((((((("Vertebroplasty"[Mesh]) OR "Bone Cements"[Mesh]) OR "Methylmethacrylates"[Mesh]) OR "Fracture Fixation, Internal"[Mesh]) OR Kyphoplast*[Text Word]) OR methacryl*[Text Word]) OR bone cement*[Text Word]) OR vertebroplast*[Text Word]) OR cementoplast*[Text Word]) OR sacroplast*[Text Word]) OR percutaneous osteoplast*[Text Word]) OR osteosynthesis[Text Word]) OR augmentation*[tw])) Filters: Publication date from 2009/01/01 to 2019/12/31	203
#20	Add	Search (((((((((((("Vertebroplasty"[Mesh]) OR "Bone Cements"[Mesh]) OR "Methylmethacrylates"[Mesh]) OR "Fracture Fixation, Internal"[Mesh]) OR Kyphoplast*[Text Word]) OR methacryl*[Text Word]) OR bone cement*[Text Word]) OR vertebroplast*[Text Word]) OR cementoplast*[Text Word]) OR sacroplast*[Text Word]) OR percutaneous osteoplast*[Text Word]) OR osteosynthesis[Text Word]) OR augmentation*[tw]))	153749
#18	Add	Search (((((((("Spine"[Mesh]) OR "Back"[Mesh]) OR "Thorax"[Mesh]) OR "Osteoporotic Fractures"[Mesh]) OR "Back Pain"[Mesh]) OR "Spinal Fractures"[Mesh]) OR "Spinal Diseases"[Mesh]) OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw]))	1176687
#17	Add	Search (((("Hematologic Neoplasms"[Mesh]) OR (("Leukemia"[Mesh]) OR "Lymphoma"[Mesh]) OR "Multiple Myeloma"[Mesh])) OR "Plasmacytoma"[Mesh]) OR ((sarcoma*[Text Word] OR germinoblastoma*[Text Word] OR leukaemia*[Text Word] OR Leucocythemia*[Text Word] OR Leucocythaemia*[Text Word] OR leukemia*[Text Word] OR myeloma*[Text Word] OR lymphoma*[Text Word] OR plasmacytoma*[Text Word] OR plasma cytoma*[Text Word]))	658856



#16	Add	Search (sarcoma*[Text Word] OR germinoblastoma*[Text Word] OR leukaemia*[Text Word] OR Leucocythemia*[Text Word] OR Leucocythaemia*[Text Word] OR leukemia*[Text Word] OR myeloma*[Text Word] OR lymphoma*[Text Word] OR plasmacytoma*[Text Word] OR plasma cytoma*[Text Word] OR hematologic cancer*[Text Word] OR haematologic cancer*[Text Word] OR hematologic malignanc*[Text Word] OR haematologic malignanc*[Text Word])	625346
#14	Add	Search "Plasmacytoma"[Mesh]	8496
#9	Add	Search (("Leukemia"[Mesh]) OR "Lymphoma"[Mesh]) OR "Multiple Myeloma"[Mesh]	400345
#6	Add	Search "Hematologic Neoplasms"[Mesh]	19546

EMBASE

No.	Query	Results
#33	#30 AND #31 AND #32	92
#32	[2009-2019]/py	14110709
#31	danish:la OR english:la OR swedish:la OR norwegian:la OR german:la	30594445
#30	#19 AND #29	142
#29	#24 OR #28	8272302
#28	#25 OR #26 OR #27	1493813
#27	'systematic review'/exp OR 'meta analysis'/exp	245463
#26	'meta analy*':ti,ab,de OR 'meta-analy*':ti,ab,de OR metaanaly*':ti,ab,de	227900
#25	((systematic OR method*) NEAR/3 (review* OR overview* OR study OR studies OR search* OR approach*)):ti,ab,de	1245133
#24	#20 OR #21 OR #22 OR #23	7249897
#23	((single OR double OR triple) NEAR/2 (blind* OR mask*)):ti,ab,de OR placebo:ti,ab,de	531185
#22	((random* OR controlled* OR crossover OR 'cross over' OR blind* OR mask*) NEAR/3 (trial* OR study OR studies OR analy*)):ti,ab,de OR rct:ti,ab,de	6454052
#21	'randomized controlled trial'/exp	499205
#20	'controlled clinical trial'/exp	666131
#19	#17 NOT #18	581
#18	'conference abstract'/it	3331915
#17	#3 AND #10 AND #16	816
#16	#11 OR #12 OR #13 OR #14 OR #15	159270
#15	kyphoplast*':ti,ab,kw OR methacryl*':ti,ab,kw OR 'bone cement*':ti,ab,kw OR vertebroplast*':ti,ab,kw OR cementoplast*':ti,ab,kw OR sacroplast*':ti,ab,kw OR 'percutaneous osteoplast*':ti,ab,kw OR 'fracture fixation*':ti,ab,kw OR methylmethacrylate*':ti,ab,kw OR osteosynthesis:ti,ab,kw OR augmentation*':ti,ab,kw	120260
#14	'osteosynthesis'/exp	37602
#13	'methacrylic acid methyl ester'/exp	6736
#12	'bone cement'/exp	14028
#11	'percutaneous vertebroplasty'/exp	6361



#10	#4 OR #5 OR #6 OR #7 OR #8 OR #9	1501650
#9	spine:ti,ab,kw OR spinal:ti,ab,kw OR vertebra*:ti,ab,kw OR column*:ti,ab,kw OR lumbar:ti,ab,kw OR sacrum*:ti,ab,kw OR sacral*:ti,ab,kw OR back:ti,ab,kw OR backache*:ti,ab,kw OR thoracic:ti,ab,kw OR 'osteoporotic fracture*':ti,ab,kw	1227758
#8	'spine disease'/exp	230225
#7	'spine fracture'/exp	33614
#6	'thorax'/exp	150179
#5	'backache'/exp	102293
#4	'back'/exp	208267
#3	#1 OR #2	881379
#2	sarcoma*:ti,ab,kw OR germinoblastoma*:ti,ab,kw OR leukaemia*:ti,ab,kw OR leucocythemia*:ti,ab,kw OR leucocythaemia*:ti,ab,kw OR leukemia*:ti,ab,kw OR myeloma*:ti,ab,kw OR lymphoma*:ti,ab,kw OR plasmacytoma*:ti,ab,kw OR 'plasma cytoma*':ti,ab,kw OR 'hematologic cancer*':ti,ab,kw OR 'haematologic cancer*':ti,ab,kw OR 'hematologic malignanc*':ti,ab,kw OR 'haematologic malignanc*':ti,ab,kw	692872
#1	'hematologic malignancy'/exp	675627

CINAHL

Search ID#	Search Terms	Search Options	Results
S29	S18 AND S27	Limiters - Published Date: 20090101-20191231; Language: Danish, English, Norwegian, Swedish Search modes - Boolean/Phrase	90
S28	S18 AND S27	Search modes - Boolean/Phrase	98
S27	S22 OR S26	Search modes - Boolean/Phrase	683,479
S26	S23 OR S24 OR S25	Search modes - Boolean/Phrase	377,534
S25	TX (placebo* or single-blind* or double-blind* or triple-blind* or ((single or double or triple) N1 (blind* or mask*)))	Search modes - Boolean/Phrase	116,702
S24	TX (((random* or control#ed or crossover or cross-over or blind* or mask*) N3 (trial* or study or studies or analy*)) or rct)	Search modes - Boolean/Phrase	360,905
S23	PT Randomized Controlled Trial	Search modes - Boolean/Phrase	87,231
S22	S19 OR S20 OR S21	Search modes - Boolean/Phrase	422,801
S21	(pooled N1 (data or analys*))	Search modes - Boolean/Phrase	7,172
S20	TX (((systematic OR method*) N3 (review* OR overview* OR study OR studies OR search* OR approach*)) OR meta analy* OR meta-analy* OR metaanaly*)	Search modes - Boolean/Phrase	419,549
S19	PT (Systematic Review or Meta Analysis)	Search modes - Boolean/Phrase	87,321
S18	S8 AND S14 AND S17	Search modes - Boolean/Phrase	693



S17	S15 OR S16	Search modes - Boolean/Phrase	651,074
S16	multiple myeloma* OR plasma cell myeloma* OR myelomatos* OR secondary OR leukemia* OR lymphoma* OR plasmacytoma* OR leukaemia* cancer OR tumor* OR tumour* OR malignan* OR metasta*	Search modes - Boolean/Phrase	386,067
S15	(MH "Neoplasms+")	Search modes - Boolean/Phrase	455,957
S14	S9 OR S10 OR S11 OR S12 OR S13	Search modes - Boolean/Phrase	25,676
S13	kyphoplast* OR methacryl* OR bone cement* OR vertebroplast* OR cementoplast* OR sacroplast* OR percutaneous osteoplast* OR fracture fixation* OR kyphoplast* OR methacryl* OR bone cement* OR vertebroplast* OR cementoplast* OR sacroplast* OR percutaneous osteoplast* OR osteosynthesis OR augmentation*	Search modes - Boolean/Phrase	25,334
S12	(MH "Fracture Fixation+")	Search modes - Boolean/Phrase	11,842
S11	(MH "Methylmethacrylates")	Search modes - Boolean/Phrase	885
S10	(MH "Bone Cements")	Search modes - Boolean/Phrase	2,755
S9	(MH "Vertebroplasty+")	Search modes - Boolean/Phrase	1,269
S8	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7	Search modes - Boolean/Phrase	218,439
S7	spine OR spinal or vertebra* OR column* OR lumbar OR sacrum* OR sacral* OR back OR backache* OR thoracic OR Osteoporotic fracture*	Search modes - Boolean/Phrase	207,226
S6	(MH "Spinal Diseases+")	Search modes - Boolean/Phrase	27,968
S5	(MH "Back Pain+")	Search modes - Boolean/Phrase	26,753
S4	(MH "Osteoporotic Fractures")	Search modes - Boolean/Phrase	270
S3	(MH "Thorax+")	Search modes - Boolean/Phrase	6,051
S2	(MH "Back")	Search modes - Boolean/Phrase	2,963
S1	(MH "Spine+") OR (MH "Spinal Fractures+")	Search modes - Boolean/Phrase	40,072



PICO 3

Database	Interface	Resultat	Dato
PubMed	Pubmed.gov	89	16.05.2019
EMBASE	Embase.com	536	16.05.2019
CINAHL	Ebsco	91	16.05.2019
		722	
Efter dubletsøgning i Endnote		600	
Efter dubletsøgning i Covidence		597	

PubMed

History

[Download history](#)[Clear history](#)

Search	Add to builder	Query	Items found
#44	Add	Search (((((((((((("Spine"[Mesh]) OR "Back"[Mesh]) OR "Thorax"[Mesh]) OR "Osteoporotic Fractures"[Mesh]) OR "Back Pain"[Mesh]) OR "Spinal Fractures"[Mesh]) OR "Spinal Diseases"[Mesh]) OR (spine[tw] OR spinal[tw] OR vertebra*[tw] OR column*[tw] OR lumbar[tw] OR sacrum*[tw] OR sacral*[tw] OR back[tw] OR thoracic[tw] OR Osteoporotic fracture*[tw]))) AND (((((((((((("Neoplasms"[Mesh]) OR cancer[Text Word]) OR (tumor[Text Word] OR tumors[Text Word] OR tumour[Text Word] OR tumours[Text Word])) OR malignan*[Text Word]) OR metasta*[Text Word]) OR multiple myeloma*[Text Word]) OR plasma cell myeloma*[Text Word]) OR "secondary"[Subheading]) OR myelomatos*[Text Word]) OR Leukemia*[tw]) OR Lymphoma*[tw]) OR Plasmacytoma*[tw])) AND (((((((((((("Vertebroplasty"[Mesh]) OR "Bone Cements"[Mesh]) OR "Methylmethacrylates"[Mesh]) OR "Fracture Fixation, Internal"[Mesh]) OR Kyphoplast*[Text Word]) OR methacryl*[Text Word]) OR bone cement*[Text Word]) OR vertebroplast*[Text Word]) OR cementoplast*[Text Word]) OR sacroplast*[Text Word]) OR percutaneous osteoplast*[Text Word]) OR osteosynthesis[Text Word]) OR augmentation*[tw]))) AND (((("Systematic Review"[Publication Type] OR "Systematic Reviews as Topic"[Mesh])) OR systematic[sb])) OR (((("Controlled Clinical Trial"[Publication Type] OR "Controlled Clinical Trials as Topic"[Mesh])) OR (((random*[Text Word] OR controlled[Text Word] OR crossover[Text Word] OR cross-over[Text Word] OR blind*[Text Word] OR mask*[Text Word])) AND (trial OR trials OR study OR studies OR analyz* OR analys*))) OR rct[Text Word]) OR (((singl*[Text Word] OR doubl*[Text Word] OR tripl*[Text Word])) AND (blind[Text Word] OR mask[Text Word]))) OR placebo[Text Word])) Filters: Publication date from 2009/01/01 to 2019/12/31; Danish; English; German; Norwegian	89

Embase

No.	Query	Results
#34	#31 AND #32 AND #33	536
#33	[2009-2019]/py	14086866
#32	danish:la OR english:la OR swedish:la OR norwegian:la OR german:la	30571512
#31	#29 NOT #30	882
#30	'conference abstract'/it	3331204
#29	#18 AND #28	1148
#28	#23 OR #27	8262566
#27	#24 OR #25 OR #26	1492122
#26	'systematic review'/exp OR 'meta analysis'/exp	245463
#25	'meta analy*':ti,ab,de OR 'meta-analy*':ti,ab,de OR metaanaly*':ti,ab,de	227900
#24	((systematic OR method*) NEAR/3 (review* OR overview* OR study OR studies OR search* OR approach*)):ti,ab,de	1245133
#23	#19 OR #20 OR #21 OR #22	7241189
#22	(((single OR double OR triple) NEAR/2 (blind* OR mask*)):ti,ab,de) OR placebo:ti,ab,de	531185
#21	(((random* OR controlled* OR crossover OR 'cross over' OR blind* OR mask*) NEAR/3 (trial* OR study OR studies OR analy*)):ti,ab,de) OR rct:ti,ab,de	6454052
#20	'randomized controlled trial'/exp	499205
#19	'controlled clinical trial'/exp	666131
#18	#7 AND #13 AND #17	4587
#17	#14 OR #15 OR #16	6082815
#16	'multiple myeloma*':ti,ab,kw OR 'plasma cell myeloma*':ti,ab,kw OR myelomatos*':ti,ab,kw OR secondary:ti,ab,kw OR leukemia*':ti,ab,kw OR lymphoma*':ti,ab,kw OR plasmacytoma*':ti,ab,kw OR leukaemia*':ti,ab,kw	1398511
#15	cancer:ti,ab,kw OR tumor*':ti,ab,kw OR tumour*':ti,ab,kw OR malignan*':ti,ab,kw OR metasta*':ti,ab,kw	3784343
#14	'neoplasm'/exp	4526618
#13	#8 OR #9 OR #10 OR #11 OR #12	159111
#12	kyphoplast*':ti,ab,kw OR methacryl*':ti,ab,kw OR 'bone cement*':ti,ab,kw OR vertebroplast*':ti,ab,kw OR cementoplast*':ti,ab,kw OR sacroplast*':ti,ab,kw OR 'percutaneous osteoplast*':ti,ab,kw OR 'fracture fixation*':ti,ab,kw OR methylmethacrylate*':ti,ab,kw OR osteosynthesis:ti,ab,kw OR augmentation*':ti,ab,kw	120260
#11	'osteosynthesis'/exp	37602
#10	'methacrylic acid methyl ester'/exp	6736
#9	'bone cement'/exp	14028
#8	'percutaneous vertebroplasty'/exp	6361
#7	#1 OR #2 OR #3 OR #4 OR #5 OR #6	1500646
#6	spine:ti,ab,kw OR spinal:ti,ab,kw OR vertebra*':ti,ab,kw OR column*':ti,ab,kw OR lumbar:ti,ab,kw OR sacrum*':ti,ab,kw OR sacral*':ti,ab,kw OR back:ti,ab,kw OR backache*':ti,ab,kw OR thoracic:ti,ab,kw OR 'osteoporotic fracture*':ti,ab,kw	1227758
#5	'spine disease'/exp	230225



#4	'spine fracture'/exp	33614
#3	'thorax'/exp	150179
#2	'backache'/exp	102293
#1	'back'/exp	208267

CINAHL

Search ID#	Search Terms	Search Options	Results
S29	S18 AND S27	Limiters - Published Date: 20090101-20191231; Language: Danish, English, Norwegian, Swedish Search modes - Boolean/Phrase	91
S28	S18 AND S27	Search modes - Boolean/Phrase	99
S27	S22 OR S26	Search modes - Boolean/Phrase	690,547
S26	S23 OR S24 OR S25	Search modes - Boolean/Phrase	381,028
S25	TX (placebo* or single-blind* or double-blind* or triple-blind* or ((single or double or triple) N1 (blind* or mask*)))	Search modes - Boolean/Phrase	117,583
S24	TX (((random* or control#ed or crossover or cross-over or blind* or mask*) N3 (trial* or study or studies or analy*)) or rct)	Search modes - Boolean/Phrase	364,256
S23	PT Randomized Controlled Trial	Search modes - Boolean/Phrase	87,046
S22	S19 OR S20 OR S21	Search modes - Boolean/Phrase	427,651
S21	(pooled N1 (data or analys*))	Search modes - Boolean/Phrase	7,304
S20	TX (((systematic OR method*) N3 (review* OR overview* OR study OR studies OR search* OR approach*)) OR meta analy* OR meta-analy* OR metaanaly*)	Search modes - Boolean/Phrase	424,358
S19	PT (Systematic Review or Meta Analysis)	Search modes - Boolean/Phrase	86,829
S18	S8 AND S14 AND S17	Search modes - Boolean/Phrase	702
S17	S15 OR S16	Search modes - Boolean/Phrase	657,534
S16	multiple myeloma* OR plasma cell myeloma* OR myelomatos* OR secondary OR leukemia* OR lymphoma* OR plasmacytoma* OR leukaemia* cancer OR tumor* OR tumour* OR malignan* OR metasta*	Search modes - Boolean/Phrase	390,677
S15	(MH "Neoplasms+")	Search modes - Boolean/Phrase	459,961



S14	S9 OR S10 OR S11 OR S12 OR S13	Search modes - Boolean/Phrase	25,929
S13	kyphoplast* OR methacryl* OR bone cement* OR vertebroplast* OR cementoplast* OR sacroplast* OR percutaneous osteoplast* OR fracture fixation* OR kyphoplast* OR methacryl* OR bone cement* OR vertebroplast* OR cementoplast* OR sacroplast* OR percutaneous osteoplast* OR osteosynthesis OR augmentation*	Search modes - Boolean/Phrase	25,585
S12	(MH "Fracture Fixation+")	Search modes - Boolean/Phrase	11,944
S11	(MH "Methylmethacrylates")	Search modes - Boolean/Phrase	889
S10	(MH "Bone Cements")	Search modes - Boolean/Phrase	2,777
S9	(MH "Vertebroplasty+")	Search modes - Boolean/Phrase	1,277
S8	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7	Search modes - Boolean/Phrase	220,307
S7	spine OR spinal or vertebra* OR column* OR lumbar OR sacrum* OR sacral* OR back OR backache* OR thoracic OR Osteoporotic fracture*	Search modes - Boolean/Phrase	208,963
S6	(MH "Spinal Diseases+")	Search modes - Boolean/Phrase	28,204
S5	(MH "Back Pain+")	Search modes - Boolean/Phrase	26,890
S4	(MH "Osteoporotic Fractures")	Search modes - Boolean/Phrase	288
S3	(MH "Thorax+")	Search modes - Boolean/Phrase	6,100
S2	(MH "Back")	Search modes - Boolean/Phrase	2,981
S1	(MH "Spine+") OR (MH "Spinal Fractures+")	Search modes - Boolean/Phrase	40,339