

Søgeprotokol Observationelle studier

| | |
|-----------------------------|--|
| Projektitel/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 og PICO 3

| Database | Interface | Resultat | Dato |
|---------------------------------|------------|----------|------------|
| PubMed | Pubmed.gov | 489 | 22.05.2019 |
| EMBASE | Embase.com | 719 | 22.05.2019 |
| CINAHL | Ebsco | 212 | 22.05.2019 |
| | | 1420 | |
| Efter dubletsøgning i Endnote | | 962 | 22.05.2019 |
| Efter dubletsøgning i Covidence | | 950 | 23.05.2019 |

PubMed

| Search | Add to builder | Query | Items found |
|---------------------|---------------------|--|---------------------|
| #45 | 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 | 489 |



| | | |
|---------------------|---|---------------------|
| | <p>(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 (((("Epidemiologic Studies"[Mesh]) OR (((("Comparative Study"[Publication Type]) OR ("Evaluation Studies"[Publication Type] OR "Evaluation Studies as Topic"[Mesh])) OR ("Multicenter Studies as Topic"[Mesh] OR "Multicenter Study"[Publication Type])) OR ("Observational Studies as Topic"[Mesh] OR "Observational Study"[Publication Type])) OR ("Validation Studies"[Publication Type] OR "Validation Studies as Topic"[Mesh])))) OR (((Epidemiologic[Text Word] OR cohort*[Text Word] OR perspective[Text Word] OR prospective[Text Word] OR longitud*[Text Word] OR follow-up[Text Word] OR follow up[Text Word] OR followup[Text Word] OR retro-spective[Text Word] OR retrospective[Text Word] OR case-control*[Text Word] OR case control*[Text Word] OR observational[Text Word] OR cross-section*[Text Word] OR cross section*[Text Word] OR multi-cent*[Text Word] OR multicent*[Text Word] OR evaluation[Text Word] OR comparative[Text Word] OR intervention[Text Word] OR provoca*[Text Word] OR validation[Text Word])))) AND (study[Text Word] OR studies[Text Word] OR trial*[Text Word] OR analys*[Text Word] OR analyz*[Text Word])))) Filters: Publication date from 2009/01/01 to 2019/12/31; Danish; English; German; Norwegian; Swedish</p> | |
| #39 | <p>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 (((("Epidemiologic Studies"[Mesh]) OR (((("Comparative Study"[Publication Type]) OR ("Evaluation Studies"[Publication Type] OR "Evaluation Studies as Topic"[Mesh])) OR ("Multicenter Studies as Topic"[Mesh] OR "Multicenter Study"[Publication Type])) OR ("Observational Studies as Topic"[Mesh] OR "Observational Study"[Publication Type])) OR ("Validation Studies"[Publication Type] OR "Validation Studies as Topic"[Mesh])))) OR (((Epidemiologic[Text Word] OR cohort*[Text Word] OR perspective[Text Word] OR prospective[Text Word] OR longitud*[Text Word] OR follow-up[Text Word] OR follow up[Text Word] OR followup[Text Word] OR retro-spective[Text Word] OR retrospective[Text Word] OR case-control*[Text Word] OR case control*[Text Word] OR observational[Text Word] OR cross-section*[Text Word] OR cross section*[Text Word] OR multi-cent*[Text Word] OR multicent*[Text Word] OR evaluation[Text Word] OR comparative[Text Word] OR intervention[Text Word] OR provoca*[Text Word] OR validation[Text Word])))) AND (study[Text Word] OR studies[Text Word] OR trial*[Text Word] OR analys*[Text Word] OR analyz*[Text Word]))))</p> | 857 |



| | | | |
|-----|-----|--|-------------------------|
| #38 | Add | Search (("Epidemiologic Studies"[Mesh]) OR (((((((("Comparative Study"[Publication Type]) OR ("Evaluation Studies"[Publication Type] OR "Evaluation Studies as Topic"[Mesh])) OR ("Multicenter Studies as Topic"[Mesh] OR "Multicenter Study"[Publication Type])) OR ("Observational Studies as Topic"[Mesh] OR "Observational Study"[Publication Type])) OR ("Validation Studies"[Publication Type] OR "Validation Studies as Topic"[Mesh])))) OR (((Epidemiologic[Text Word] OR cohort*[Text Word] OR perspective[Text Word] OR prospective[Text Word] OR longitud*[Text Word] OR follow-up[Text Word] OR follow up[Text Word] OR followup[Text Word] OR retro-spective[Text Word] OR retrospective[Text Word] OR case-control*[Text Word] OR case control*[Text Word] OR observational[Text Word] OR cross-section*[Text Word] OR cross section*[Text Word] OR multi-cent*[Text Word] OR multicent*[Text Word] OR evaluation[Text Word] OR comparative[Text Word] OR intervention[Text Word] OR provoca*[Text Word] OR validation[Text Word]))) AND (study[Text Word] OR studies[Text Word] OR trial*[Text Word] OR analys*[Text Word] OR analyz*[Text Word]))) | 6374975 |
| #36 | 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])) | 2000 |
| #35 | 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] | 154754 |
| #34 | 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] | 4202161 |
| #33 | 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])) | 1182495 |

EMBASE

| No. | Query | Results |
|-----|--------------------------|-------------|
| #27 | #25 NOT #26 | 719 |
| #26 | 'conference abstract'/it | 338245 9 |

| | | |
|-----|--|--------------|
| #25 | #22 AND #23 AND #24 | 1043 |
| #24 | english:la OR danish:la OR swedish:la OR norwegian:la OR german:la | 308210 05 |
| #23 | [2009-2019]/py | 143431 04 |
| #22 | #18 AND #21 | 1425 |
| #21 | #19 OR #20 | 487785 6 |
| #20 | ((epidemiologic OR cohort* OR perspective OR prospective OR longitud* OR 'follow-up' OR 'follow up' OR followup OR 'retro-spective' OR retrospective OR 'case-control*' OR 'case control*' OR observational OR 'cross-section*' OR 'cross section*' OR 'multi-cent*' OR multicent* OR evaluation OR comparative OR intervention OR provoca* OR validation) NEAR/3 (study OR studies OR trial OR trials OR analys* OR analyz)):ti,ab,de | 448112 1 |
| #19 | 'comparative study'/exp OR 'evaluation study'/exp OR 'multicenter study'/exp OR 'observational study'/exp OR 'validation study'/exp | 192693 2 |
| #18 | #7 AND #11 AND #17 | 4590 |
| #17 | #12 OR #13 OR #14 OR #15 OR #16 | 160534 |
| #16 | 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 |
| #15 | 'osteosynthesis'/exp | 37602 |
| #14 | 'methacrylic acid methyl ester'/exp | 6736 |
| #13 | 'bone cement'/exp | 14028 |
| #12 | 'percutaneous vertebroplasty'/exp | 6361 |
| #11 | #8 OR #9 OR #10 | 614290 1 |
| #10 | '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 | 139851 1 |
| #9 | cancer:ti,ab,kw OR tumor*:ti,ab,kw OR tumour*:ti,ab,kw OR malignan*:ti,ab,kw OR metastas*:ti,ab,kw | 378434 3 |
| #8 | 'neoplasm'/exp | 452661 8 |
| #7 | #1 OR #2 OR #3 OR #4 OR #5 OR #6 | 151252 4 |
| #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 | 122775 8 |
| #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 |
|------------|--|---|---------|
| S21 | S18 AND S19 | Limiters - Published Date: 20090101-20191231; Language: Danish, English, German, Norwegian, Swedish Search modes - Boolean/Phrase | 212 |
| S20 | S18 AND S19 | Search modes - Boolean/Phrase | 233 |
| S19 | ((Epidemiologic OR cohort* OR perspective OR prospective OR longitud* OR follow-up OR follow up OR followup OR retro-spective OR retrospective OR case-control* OR case control* OR observational OR cross-section* OR cross section* OR multi-cent* OR multicent* OR evaluation OR comparative OR intervention OR provoca* OR validation) N3 (study OR studies OR trial* OR analys*)) | Search modes - Boolean/Phrase | 970,939 |
| S18 | S8 AND S14 AND S17 | Search modes - Boolean/Phrase | 702 |
| S17 | S15 OR S16 | Search modes - Boolean/Phrase | 658,672 |
| 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 | 391,388 |
| S15 | (MH "Neoplasms+") | Search modes - Boolean/Phrase | 460,960 |
| S14 | S9 OR S10 OR S11 OR S12 OR S13 | Search modes - Boolean/Phrase | 25,975 |
| 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 | 25,631 |
| S12 | (MH "Fracture Fixation+") | Search modes - Boolean/Phrase | 11,960 |
| S11 | (MH "Methylmethacrylates") | Search modes - Boolean/Phrase | 889 |
| S10 | (MH "Bone Cements") | Search modes - Boolean/Phrase | 2,781 |
| S9 | (MH "Vertebroplasty+") | Search modes - Boolean/Phrase | 1,278 |
| S8 | S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 | Search modes - Boolean/Phrase | 220,577 |



| | | | |
|----|--|-------------------------------|---------|
| 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 | 209,220 |
| S6 | (MH "Spinal Diseases+") | Search modes - Boolean/Phrase | 28,248 |
| S5 | (MH "Back Pain+") | Search modes - Boolean/Phrase | 26,929 |
| S4 | (MH "Osteoporotic Fractures") | Search modes - Boolean/Phrase | 289 |
| S3 | (MH "Thorax+") | Search modes - Boolean/Phrase | 6,112 |
| S2 | (MH "Back") | Search modes - Boolean/Phrase | 2,984 |
| S1 | (MH "Spine+") OR (MH "Spinal Fractures+") | Search modes - Boolean/Phrase | 40,406 |

PICO 2

| | | | |
|---------------------------------|------------|-----|------------|
| PubMed | Pubmed.gov | 104 | 23.05.2019 |
| EMBASE | Embase.com | 127 | 23.05.2019 |
| CINAHL | Ebsco | 33 | 23.05.2019 |
| | | | 23.05.2019 |
| Efter dubletsøgning i Endnote | | 167 | |
| Efter dubletsøgning i Covidence | | 164 | |

PubMed

| Search | Add to builder | Query | Items found |
|---------------------|---------------------|--|---------------------|
| #12 | Add | Search (((("Epidemiologic Studies"[Mesh]) OR (((((((("Comparative Study"[Publication Type]) OR ("Evaluation Studies"[Publication Type] OR "Evaluation Studies as Topic"[Mesh])) OR ("Multicenter Studies as Topic"[Mesh] OR "Multicenter Study"[Publication Type])) OR ("Observational Studies as Topic"[Mesh] OR "Observational Study"[Publication Type])) OR ("Validation Studies"[Publication Type] OR "Validation Studies as Topic"[Mesh])))) OR (((Epidemiologic[Text Word] OR cohort*[Text Word] OR perspective[Text Word] OR prospective[Text Word] OR longitud*[Text Word] OR follow-up[Text Word] OR follow up[Text Word] OR followup[Text Word] OR retro-spective[Text Word] OR retrospective[Text Word] OR case-control*[Text Word] OR case control*[Text Word] OR observational[Text Word] OR cross-section*[Text Word] OR cross section*[Text Word] OR multi-cent*[Text Word] OR multicent*[Text Word] OR evaluation[Text Word] OR comparative[Text Word] OR intervention[Text Word] OR provoca*[Text Word] OR validation[Text Word]))) AND (study[Text Word] OR studies[Text Word] OR trial*[Text Word] OR analys*[Text Word] OR analyz*[Text Word]))) AND (((((((((((("Vertebroplasty"[Mesh]) OR "Bone Cements"[Mesh]) OR | 104 |



| | | |
|--|---|--|
| | <p>"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 (((((((("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 (((("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]))) Filters: Publication date from 2009/01/01 to 2019/12/31; Danish; English; German; Norwegian; Swedish</p> | |
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EMBASE

| No. | Query | Results |
|-----|--|----------|
| #26 | #24 NOT #25 | 127 |
| #25 | 'conference abstract'/it | 3383760 |
| #24 | #21 AND #22 AND #23 | 194 |
| #23 | english:la OR danish:la OR swedish:la OR norwegian:la OR german:la | 30824933 |
| #22 | [2009-2019]/py | 14343104 |
| #21 | #17 AND #20 | 255 |
| #20 | #18 OR #19 | 4879200 |
| #19 | ((epidemiologic OR cohort* OR perspective OR prospective OR longitud* OR 'follow-up' OR 'follow up' OR followup OR 'retro-spective' OR retrospective OR 'case-control*' OR 'case control*' OR observational OR 'cross-section*' OR 'cross section*' OR 'multi-cent*' OR multicent* OR evaluation OR comparative OR intervention OR provoca* OR validation) NEAR/3 (study OR studies OR trial OR trials OR analys* OR analyz)):ti,ab,de | 4481121 |
| #18 | 'comparative study'/exp OR 'evaluation study'/exp OR 'multicenter study'/exp OR 'observational study'/exp OR 'validation study'/exp | 1926932 |
| #17 | #3 AND #10 AND #16 | 819 |
| #16 | #11 OR #12 OR #13 OR #14 OR #15 | 160610 |
| #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 | 1512724 |
| #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 | 887377 |
| #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 |
|------------|---|--|---------|
| S22 | S19 AND S20 | Limiters - Published Date: 20090101-20191231; Language: Danish, English, German, Norwegian, Swedish Search modes - Boolean/Phrase | 33 |
| S21 | S19 AND S20 | Search modes - Boolean/Phrase | 40 |
| S20 | (Epidemiologic OR cohort* OR perspective OR prospective OR longitud* OR follow-up OR follow up OR followup OR retro-spective OR retrospective OR case-control* OR case control* OR observational OR cross-section* OR cross section* OR multi-cent* OR multicent* OR evaluation OR comparative OR intervention OR provoca* OR validation) N3 (study OR studies OR trial* OR analys* OR analyz*) | Search modes - Boolean/Phrase | 973,780 |
| S19 | S12 AND S18 AND S4 | Search modes - Boolean/Phrase | 111 |
| S18 | S13 OR S14 OR S15 OR S16 OR S17 | Search modes - Boolean/Phrase | 25,975 |
| 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 | 25,631 |
| S16 | (MH "Fracture Fixation+") | Search modes - Boolean/Phrase | 11,960 |
| S15 | (MH "Methylmethacrylates") | Search modes - Boolean/Phrase | 889 |
| S14 | (MH "Bone Cements") | Search modes - Boolean/Phrase | 2,781 |
| S13 | (MH "Vertebroplasty+") | Search modes - Boolean/Phrase | 1,278 |
| S12 | S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 | Search modes - Boolean/Phrase | 220,577 |
| 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 | 209,220 |
| S10 | (MH "Spinal Diseases+") | Search modes - Boolean/Phrase | 28,248 |
| S9 | (MH "Back Pain+") | Search modes - Boolean/Phrase | 26,929 |
| S8 | (MH "Osteoporotic Fractures") | Search modes - Boolean/Phrase | 289 |
| S7 | (MH "Thorax+") | Search modes - Boolean/Phrase | 6,112 |
| S6 | (MH "Back") | Search modes - Boolean/Phrase | 2,984 |
| S5 | (MH "Spine+") OR (MH "Spinal Fractures+") | Search modes - Boolean/Phrase | 40,406 |
| S4 | S1 OR S2 OR S3 | Search modes - Boolean/Phrase | 64,558 |
| 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 hematologic malignanc* OR haematologic cancer* OR haematologic malignanc* | Search modes - Boolean/Phrase | 62,045 |



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|----|--------------------------------------|-------------------------------|--------|
| S2 | (MH "Leukemia+") OR (MH "Lymphoma+") | Search modes - Boolean/Phrase | 38,209 |
| S1 | (MH "Hematologic Neoplasms+") | Search modes - Boolean/Phrase | 2,696 |