

Supplementary Material 1

Complete Search Strategy for PubMed/MEDLINE

Database: PubMed/MEDLINE (via NCBI)

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Search performed by: Haiqing Xing

Search Strategy:

- #1 "Osteoporotic Fractures"[MeSH Terms]
- #2 "Spinal Fractures"[MeSH Terms]
- #3 "Fractures, Compression"[MeSH Terms]
- #4 "osteoporotic vertebral compression fracture*"[Title/Abstract]
- #5 "osteoporotic spinal compression fracture*"[Title/Abstract]
- #6 "vertebral compression fracture*"[Title/Abstract]
- #7 "spinal compression fracture*"[Title/Abstract]
- #8 "VCF"[Title/Abstract]
- #9 "OVCF"[Title/Abstract]
- #10 #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9

- #11 "Vertebroplasty"[MeSH Terms]
- #12 "Kyphoplasty"[MeSH Terms]
- #13 "vertebroplasty"[Title/Abstract]
- #14 "kyphoplasty"[Title/Abstract]
- #15 "percutaneous vertebroplasty"[Title/Abstract]
- #16 "percutaneous kyphoplasty"[Title/Abstract]
- #17 "PVP"[Title/Abstract]
- #18 "PKP"[Title/Abstract]
- #19 "balloon kyphoplasty"[Title/Abstract]
- #20 #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19

- #21 "refracture*"[Title/Abstract]
- #22 "re-fracture*"[Title/Abstract]
- #23 "recollapse"[Title/Abstract]

#24 "re-collapse"[Title/Abstract]
 #25 "adjacent vertebral fracture*"[Title/Abstract]
 #26 "new vertebral compression fracture*"[Title/Abstract]
 #27 "NVCF"[Title/Abstract]
 #28 "secondary fracture*"[Title/Abstract]
 #29 "subsequent fracture*"[Title/Abstract]
 #30 #21 OR #22 OR #23 OR #24 OR #25 OR #26 OR #27 OR #28 OR #29

 #31 "vertebral height restoration"[Title/Abstract]
 #32 "height restoration rate"[Title/Abstract]
 #33 "AVHRR"[Title/Abstract]
 #34 "anterior vertebral height"[Title/Abstract]
 #35 "Cobb angle"[Title/Abstract]
 #36 "Cobb angle correction"[Title/Abstract]
 #37 "CACR"[Title/Abstract]
 #38 "kyphosis correction"[Title/Abstract]
 #39 "vertebral height recovery"[Title/Abstract]
 #40 #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39

 #41 #10 AND #20 AND (#30 OR #40)

 #42 "2009/01/01"[Date - Publication] : "3000/12/31"[Date - Publication]
 #43 #41 AND #42

 #44 animals[MeSH Terms] NOT humans[MeSH Terms]
 #45 #43 NOT #44

Final search string executed: #45

Filters applied: None (no language, age, or article type filters were applied to ensure comprehensive retrieval; eligibility was assessed manually during screening).

Note: Similar search strategies adapted with appropriate controlled vocabulary and syntax were used for Embase (via Elsevier), Cochrane Library (via Wiley), CNKI, and Wanfang Data. The complete strategies for these databases are available from the corresponding author upon reasonable request.