

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Management of Vertebral Compression Fractures**

Literature Search Performed on: 05/09/2017

Beginning Date: January 2007

End Date: April 2017

Database: 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**

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- 1 Vertebroplasty/ (1622)
- 2 Osteoporotic Fractures/ (3517)
- 3 Pain Measurement/ (74781)
- 4 Fractures, Compression/ (1701)
- 5 Bone Cements/ (10340)
- 6 Pain, Postoperative/ (33039)
- 7 Spinal Fractures/ (12907)
- 8 Pain Management/ (26436)
- 9 Pain/ (125017)
- 10 Surveys.mp. and Questionnaires/ [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] (381988)
- 11 1 and 3 and 5 and 7 and 8 and 9 and 10 (1)
- 12 Spinal neoplasm/ (12725)
- 13 Radiosurgery/ (12542)
- 14 Tumor Burden/ (15169)
- 15 4 and 7 and 12 and 13 and 14 (1)
- 16 Spine/ (27664)
- 17 4 and 7 and 12 and 13 and 16 (1)
- 18 Radiation Injuries/ (31689)
- 19 \*Orthopedic Procedures/ (16215)
- 20 Tomography, X-Ray Computed/ (342677)
- 21 Treatment Outcome/ (814399)
- 22 Magnetic Resonance Imaging/ (341000)
- 23 Neoplasm Metastasis/ (94403)
- 24 4 and 7 and 12 and 13 and 21 and 23 (2)
- 25 exp Kyphoplasty/ (609)
- 26 1 and 4 and 7 and 21 and 25 (60)
- 27 stereotactic radiation therapy.mp. (365)
- 28 stereotactic radiosurgery.mp. (5048)
- 29 16 and (1 or 25 or 27 or 28) (216)
- 30 marrow edema.mp. (1096)
- 31 Pain Measurement/ (74781)
- 32 Scoliosis/ (15744)
- 33 Lumbar Vertebrae/ (45848)
- 34 Bone Marrow/ (63903)
- 35 Low Back Pain/ (18284)
- 36 30 and 31 and 32 and 33 and 34 and 35 (2)
- 37 1 and 2 and 4 (167)
- 38 Pain, Postoperative/ (33039)
- 39 1 and 2 and 4 and 5 and 6 and 7 and 31 (1)
- 40 1 and 4 and 7 and 21 and 22 (36)
- 41 7 and 16 and 20 and 30 and 34 (1)

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- 42 Cryosurgery/ (12044)
- 43 \*Neoplasms/dg [Diagnostic Imaging] (3511)
- 44 20 and 22 and 42 and 43 (1)
- 45 1 and 4 and 9 and 21 and 25 (10)
- 46 1 and 4 and 7 and 25 (110)
- 47 1 and 4 and 7 and 9 and 21 (42)
- 48 1 and 2 and 3 and 4 and 5 and 6 and 7 (1)
- 49 11 or 15 or 17 or 24 or 26 or 29 or 36 or 37 or 39 or 40 or 41 or 44 or 45 or 46 or 47 or 48 (478)
- 50 limit 49 to (abstracts and english language and humans and yr="2007 -Current") (379)
- 51 limit 50 to case reports (22)
- 52 50 not 51 (357)
- 53 remove duplicates from 52 (339)

**Summary**

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Of the 74 citations in the original bibliography, 30 were retained in the final document.

A literature search was conducted in May 2017 to identify additional evidence published since the ACR Appropriateness Criteria® Management of Vertebral Compression Fractures topic was finalized. Using the search strategy described above, 327 articles were found. 36 articles were added to the bibliography. The remaining articles were not used due to either poor study design, the articles were not relevant or generalizable to the topic, or the results were unclear or biased.

The author added 87 citations from bibliographies, websites, or books that were not found in the literature searches.

4 citations are supporting documents were added by staff.