Literature Search

ACR Appropriateness Criteria®

Management of Vertebral Compression Fractures

Literature Search Performed on: 12/13/2021

Beginning Date: January 1989

End Date: November 2021

Database: Ovid MEDLINE(R) ALL <1946 to December 10, 2021>

Search Strategy

1 (Spinal Fractures/ and Spinal Neoplasms/ and Fractures, Spontaneous/) or (Postoperative Complications/ and diagnostic imaging/ and Spinal Fractures/) (183)

2 (Bone Neoplasms/ and Diagnostic Imaging/) or Repeated percutaneous vertebroplasty.tw. or (Death Certificates/ and Fractures, Bone/ and Osteoporosis/ and Fractures, Bone/) (559)

3 (Fractures, Compression/ and Lumbar Vertebrae/ and Osteoporosis/) or (Bone Cements/ and Spinal Fractures/ and Kyphosis/) (251)

4 (Osteoporosis/ and Spinal Diseases/ and Spinal Fractures/) or (Osteoporosis, Postmenopausal/ and Home Care Services/ and Quality of Life/) (76)

5 (Low Back Pain/ and Vertebroplasty/) or (Muscle, Skeletal/ and Back/ and Spinal Fractures/) or (Spinal Fractures/ and diagnostic imaging/ and Kyphosis/) (35)

6 (Spinal Injuries/ and Spinal Neoplasms/ and Fractures, Spontaneous/) or (Neoplasms/ and Radiation Injuries/ and Radiosurgery/ and Spinal Neoplasms/) (19)

7 (Epidemiology of osteoporosis or Value of bone scan or cement leakage after vertebroplasty or Cement leakage during vertebroplasty or Post-vertebral augmentation).tw. (203)

8 ("21214309" or "22487972" or "19581311" or "20672965" or "21191607" or "25808687" or "12052450" or "17361377" or "20528649" or "21555353" or "2740506" or "10093980" or "15185058" or "28473075" or "12369658" or "11110531" or "24792612" or "22637642" or "15690210" or "19997074").mp. (20)

9 1 or 2 or 3 or 4 or 5 or 6 or 7 (1302)

10 limit 9 to (abstracts and english language and humans and yr="1989 -Current") (846)

11 (nonneoplastic processes in the anterior or Evaluation of osteoporotic patients or Epidemiology of osteoporosis).tw. (152)

12 limit 11 to yr="2002 -Current" (98)

13 10 or 12 (883)

Literature Search Performed on: 12/09/2021

Beginning Date: January 2017

End Date: November 2021

Database: Ovid MEDLINE(R) ALL <1946 to December 08, 2021>

Search Strategy

1 (Vertebroplasty versus sham procedure or vertebral compression fracture after stereotactic body radiotherapy or kyphoplasty in the reduction of vertebral compression fractures or Mortality Outcomes of Vertebral Augmentation or Diagnosing Spinal Lesions or Oligometastatic Spine Metastases).tw. (13)

2 Spinal Fractures/ and Kyphoplasty/ and Osteoporotic Fractures/ and Fractures, Compression/ (374)

3 Bone neoplasm/ and diagnostic imaging/ (555)

4 1 or 2 or 3 (938)

5 limit 4 to (abstracts and english language and humans and yr="2017 -Current") (206)

6 (Vertebral Augmentation to Save a Life or Oligometastatic Spine Metastases).tw. or (Spinal Fractures/ and Osteoporotic Fractures/ and diagnostic imaging/) (9)

7 5 or 6 (215)

Literature Search Performed on: 03/01/2021

Beginning Date: January 2017

End Date: February 2021

Database: Ovid MEDLINE(R) ALL <1946 to February 26, 2021>

Literature Search

ACR Appropriateness Criteria®

Management of Vertebral Compression Fractures

Search Strategy

1 (Fractures, Compression/ or Spinal Neoplasms/) and ablation.mp. (233)

2 Kyphoplasty/ and spinal neoplasm/ (87)

3 vertebroplasty/ and spinal neoplasm/ (297)

4 Fractures, Compression/di, dg, th [Diagnosis, Diagnostic Imaging, Therapy] (1058)

5 (Oligometastatic Spine Metastases or Treatment of Painful Spinal Metastases or expression in musculoskeletal tumors or Vertebral compression fractures: a review).tw. (13)

6 (Vertebral augmentation/ or cementation/ or cementoplasty/) and spinal neoplasm/ (25)

7 1 or 2 or 3 or 4 or 5 or 6 (1598)

8 limit 7 to (abstracts and english language and humans and yr="2017 -Current") (384)

9 limit 8 to case reports (65)

10 8 not 9 (319)

11 limit 10 to "all child (0 to 18 years)" (31)

12 10 not 11 (288)

13 limit 7 to (guideline or practice guideline) (7)

14 12 or 13 (293)

Summary

Source	#Unique Refs	#Retained Refs
Old bibliography	155	125
Literature Search(es)	1282	26
Author Added	5	3
Supporting Docs	2	2
Total		156

References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.

1 of the author added references were outside the search date range.