

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Suspected Spine Trauma**

Literature Search Performed on: 08/15/2017

Beginning Date: January 2009

End Date: July 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 Evidence-Based Medicine/ (67536)
- 2 Neck Injuries/ (4657)
- 3 1 and 2 (14)
- 4 limit 3 to (abstracts and english language and humans and yr="2011 -Current") (3)
- 5 limit 4 to case reports (1)
- 6 4 not 5 (2)
- 7 Neck Pain/ (5887)
- 8 whiplash injuries/ (3190)
- 9 7 and 8 (517)
- 10 Magnetic Resonance Imaging/ (350867)
- 11 7 and 8 and 10 (31)
- 12 6 or 9 or 11 (519)
- 13 limit 12 to (abstracts and english language and humans and yr="2009 -Current") (236)
- 14 remove duplicates from 13 (218)

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Literature Search Performed on: 03/07/2017

Beginning Date: January 2011

End Date: February 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 exp Vertebrae/ (125992)
- 2 "Wounds and Injuries"/ (69368)
- 3 Wounds, Nonpenetrating/ (19582)
- 4 Athletic Injuries/ (23334)
- 5 Accidental Falls/ (19126)
- 6 Accidents, Traffic/ (38588)
- 7 2 or 3 or 4 or 5 or 6 (156119)
- 8 Spinal Injuries/ (8110)
- 9 exp Diagnostic Imaging/ (2335691)
- 10 1 and 7 (3204)
- 11 9 and 10 (1727)
- 12 8 and 9 (2714)
- 13 11 or 12 (4100)
- 14 1 and 7 and 8 (666)
- 15 11 or 14 (2052)
- 16 Decision Support Systems, Clinical/ (6214)
- 17 17 Spinal Injuries/ or Spinal Cord Injuries/ or spine injuries.mp. or Spinal Fractures/ or Fractures, Bone/ (102280)
- 18 16 and 17 (23)
- 19 15 or 18 (2073)
- 20 limit 19 to (abstracts and english language and humans and yr="2011 -Current") (306)

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- 21 limit 20 to case reports (108)
- 22 20 not 21 (198)
- 23 remove duplicates from 22 (196)

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**Search Strategy**

- 1 "Wounds and Injuries"/di, ra, ri, us [Diagnosis, Radiography, Radionuclide Imaging, Ultrasonography] (4102)
- 2 Athletic Injuries/di, ra, ri, us [Diagnosis, Radiography, Radionuclide Imaging, Ultrasonography] (4363)
- 3 Wounds, Nonpenetrating/di, ra, ri, us [Diagnosis, Radiography, Radionuclide Imaging, Ultrasonography] (3889)
- 4 1 or 2 or 3 (12206)
- 5 exp cervical vertebrae/ or lumbar vertebrae/ or thoracic vertebrae/ (85996)
- 6 4 and 5 (298)
- 7 "wounds and injuries"/ or athletic injuries/ or wounds, nonpenetrating/ (111042)
- 8 accidental falls/ or accidents, traffic/ (56213)
- 9 7 or 8 (156119)
- 10 5 and 9 (2829)
- 11 Spinal Injuries/ (8110)
- 12 10 or 11 (10366)
- 13 exp Diagnostic Imaging/ (2335691)
- 14 12 and 13 (3968)
- 15 exp Osteoporosis/ (50016)
- 16 6 or 14 (4081)
- 17 16 not 15 (3985)
- 18 limit 17 to (abstracts and english language and humans and yr="2011 -Current") (459)
- 19 limit 18 to case reports (126)
- 20 18 not 19 (333)
- 21 limit 20 to ("all infant (birth to 23 months)" or "preschool child (2 to 5 years)" or "child (6 to 12 years)") (78)
- 22 20 not 21 (255)
- 23 remove duplicates from 22 (251)

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**Summary**

Source	#Unique Refs	#Retained Refs
Old bibliography	86	26
Literature Search(es)	551	47
Author Added	42	36
Supporting Docs	3	3
Total		112

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.

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

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