Literature Search

ACR Appropriateness Criteria®
Suspected Spine Trauma - Child

Literature Search Performed on: 2/11/2015
Beginning date: October 1998
End date: January 2015

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily, Ovid MEDLINE(R) and Ovid OLDMEDLINE(R) <1946 to Present>

Search Strategy:

1. Spine/ (23407)
2. Cervical Vertebrae/ (27635)
3. Thoracic Vertebrae/ (16079)
4. Lumbar Vertebrae/ (39485)
5. craniocervical.mp. [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] (1722)
6. thoracolumbar.mp. (5899)
7. Lumbosacral Region/ (9308)
8. 1 or 2 or 3 or 4 or 5 or 6 or 7 (105854)
9. Accidents/ (13427)
10. subluxation.mp. (8044)
11. Hemorrhage/ (55685)
12. Whiplash Injuries/ (2803)
13. Vascular System Injuries/ (944)
14. Child Abuse/ (17558)
15. 9 or 10 or 11 or 12 or 13 or 14 (97987)
16. 8 and 15 (1964)
17. *Spinal Cord Compression/ (6223)
18. *Spinal Injuries/ (5508)
19. *Spinal Fractures/ (8019)
20. *Spinal Cord Injuries/ (24445)
21. Central Cord Syndrome/ (65)
22. 16 or 17 or 18 or 19 or 20 or 21 (44397)
23. (PECARN or pediatric emergency care applied research network).mp. [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] (82)
24. 22 and 23 (4)
25. exp diagnostic imaging/ (1762187)
26. 22 and 25 (8594)
27. *Spinal Cord Compression/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (203)
28. *Spinal Injuries/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (534)
29. *Spinal Fractures/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (923)
31. Central Cord Syndrome/ra [Radiography] (5)
32. 24 or 26 or 27 or 28 or 29 or 30 or 31 (9274)
33. limit 32 to (guideline or meta analysis or practice guideline) (39)
34. limit 32 to "all child (0 to 18 years)" (2044)
35. 33 or 34 (2077)
36. limit 35 to (abstracts and english language and humans and yr="2004 -Current") (705)
37. limit 36 to case reports (228)
38. 36 not 37 (477)
selective cervical spine radiography in blunt trauma methodology of the National Emergency X-
Radiography Utilization Study.m_titl. (1)
find similar to Selective cervical spine radiography in blunt trauma: methodology of the National
Emergency X-Radiography Utilization Study (NEXUS). (39)
limit 40 to english language (39)
38 or 39 or 41 (513)
remove duplicates from 42 (510)

***************************
Literature Search Performed on: 03/01/2016
Beginning date: February 2015
End date: February 2016

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid
MEDLINE(R) <1946 to Present>
Search Strategy:
--------------------------------------------------------------------------------
1     Spine/ (26214)
2     Cervical Vertebrae/ (29526)
3     Spine/ (26214)
4     Cervical Vertebrae/ (29526)
5     Thoracic Vertebrae/ (16974)
6     Lumbar Vertebrae/ (42269)
7     craniocervical.mp. [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] (1885)
8     thoracolumbar.mp. (6411)
9     Lumbosacral Region/ (10372)
10   3 or 4 or 5 or 6 or 7 or 8 or 9 (113783)
11   Accidents/ (18568)
12   subluxation.mp. (8502)
13   Hemorrhage/ (62470)
14   Whiplash Injuries/ (2948)
15   Vascular System Injuries/ (1510)
16   Child Abuse/ (18533)
17   11 or 12 or 13 or 14 or 15 or 16 (111950)
18   10 and 17 (2142)
19   *Spinal Cord Compression/ (6520)
20   *Spinal Injuries/ (5731)
21   *Spinal Fractures/ (9182)
22   *Spinal Cord Injuries/ (25942)
23   Central Cord Syndrome/ (77)
24   18 or 19 or 20 or 21 or 22 or 23 (47552)
25   (PECARN or pediatric emergency care applied research network).mp. [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] (98)
26   24 and 25 (8)
27   exp diagnostic imaging/ (1865334)
28   24 and 27 (9060)
29   *Spinal Cord Compression/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (212)
30   *Spinal Injuries/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (555)
31   *Spinal Fractures/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (975)
32   *Spinal Cord Injuries/ra, ri, us [Radiography, Radionuclide Imaging, Ultrasonography] (305)
Literature Search Performed on: 11/01/2017
Beginning date: March 2016
End date: October 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:
--------------------------------------------------------------------------------
1 Spine/ (27666)
2 Cervical Vertebrae/ (31656)
3 Thoracic Vertebrae/ (18255)
4 Lumbar Vertebrae/ (45862)
5 craniocervical.mp. (2113)
6 thoracolumbar.mp. (7341)
7 Lumbosacral Region/ (11090)
8 1 or 2 or 3 or 4 or 5 or 6 or 7 (122591)
9 Accidents/ (19147)
10 subluxation.mp. (9335)
11 Hemorrhage/ (66437)
12 Whiplash Injuries/ (3109)
13 Vascular System Injuries/ (1922)
14 Child Abuse/ (20044)
15 9 or 10 or 11 or 12 or 13 or 14 (119381)
16 8 and 15 (2267)
17 *Spinal Cord Compression/ (6882)
18 *Spinal Injuries/ (5969)
19 *Spinal Fractures/ (10102)
20 *Spinal Cord Injuries/ (28057)
21 Central Cord Syndrome/ (87)
22 16 or 17 or 18 or 19 or 20 or 21 (51227)
23 (pecarn or pediatric emergency care applied research network).mp. [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] (132)
24 22 and 23 (9)
25 exp Diagnostic Imaging/ (2396509)
26 22 and 25 (13693)
27 24 or 26 (13698)
28 limit 27 to "all child (0 to 18 years)" (3157)
29 limit 27 to (guideline or meta analysis or practice guideline) (55)
30 28 or 29 (3204)
31 limit 30 to (abstracts and english language and humans and yr="2016 -Current") (95)
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.

<table>
<thead>
<tr>
<th>Source</th>
<th>#Unique Refs</th>
<th>#Retained Refs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old bibliography</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Literature Search(es)</td>
<td>643</td>
<td>88</td>
</tr>
<tr>
<td>Author Added</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Supporting Docs</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>