

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Cervical Neck Pain or Cervical Radiculopathy**

Literature Search Performed on: 11/02/2017

Beginning Date: January 2007

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 Post traumatic headache/ (302)
- 2 spinal nerves/ (6062)
- 3 Cervical Vertebrae/ (33694)
- 4 1 and 2 and 3 (11)
- 5 Bone diseases,infectious/ (547)
- 6 Spinal diseases/ (21108)
- 7 Radiography/ (331454)
- 8 5 and 6 (20)
- 9 Contrast media/ (83135)
- 10 Tomography, X-Ray Computed/ (368494)
- 11 Discitis/ (2005)
- 12 9 and 10 and 11 (13)
- 13 Endocarditis,bacteria/ (19067)
- 14 comorbidity/ (97048)
- 15 Bacteria/ (136559)
- 16 Spine/ (29228)
- 17 Spondylitis/ (4491)
- 18 magnetic resonance imaging/ (373177)
- 19 13 and 14 (87)
- 20 6 and 16 and 17 and 18 (16)
- 21 4 or 8 or 12 or 19 or 20 (147)
- 22 Lumbar vertebrae/ (49474)
- 23 Intervertebral Disc Degeneration/ (3749)
- 24 Radiculopathy/ (4672)
- 25 22 and 23 and 24 (29)
- 26 pseudarthrosis/ (5444)
- 27 10 and 18 and 26 (46)
- 28 smoking/ (146411)
- 29 3 and 24 and 28 (9)
- 30 disectomy/ (4270)
- 31 24 and 26 (23)
- 32 spinal osteophytosis/ (3502)
- 33 Neck pain/ (6094)
- 34 10 and 18 and 32 and 33 (10)
- 35 Intervertebral Disc Displacement/ (18203)
- 36 spinal cord diseases/ (12395)
- 37 7 and 35 and 36 (41)
- 38 range of motion,articular/ (46072)
- 39 18 and 36 and 38 (22)
- 40 back pain/ (17125)
- 41 10 and 18 and 23 (69)
- 42 low back pain/ (19358)

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Cervical Neck Pain or Cervical Radiculopathy**

43 community health planning/ (5088)  
44 40 and 42 and 43 (1)  
45 4 or 8 or 12 or 19 or 20 or 21 or 25 or 27 or 29 or 31 or 34 or 37 or 39 or 41 or 44 (390)  
46 limit 45 to (abstracts and english language and humans and yr="2007 -Current") (196)  
47 limit 46 to case reports (32)  
48 46 not 47 (164)  
49 48 and exp child/ (16)  
50 48 not 49 (148)  
51 remove duplicates from 50 (136)

---

Literature Search Performed on: 11/02/2017

Beginning Date: January 2007

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 Tomography, X-Ray Computed/ (368494)  
2 Cervical Vertebrae/ (33694)  
3 spinal cord compression/ (11203)  
4 1 and 2 and 3 (479)  
5 Ossification,heterotopic/ (7868)  
6 1 and 2 and 5 (67)  
7 Bone neoplasm/ (61544)  
8 Whole body imaging/ (4569)  
9 1 and 7 and 8 (102)  
10 Spinal Neoplasms/ (13737)  
11 Intervertebral Disc Displacement/ (18203)  
12 Nerve compression syndromes/ (10230)  
13 Radiculopathy/ (4672)  
14 Spinal nerve roots/ (10573)  
15 magnetic resonance imaging/ (373177)  
16 11 and 13 and 14 and 15 (37)  
17 1 and 2 and 3 and 11 and 13 (7)  
18 1 and 10 and 15 (1093)  
19 11 and 12 and 13 and 14 (26)  
20 1 and 3 and 11 (116)  
21 prognosis/ (470915)  
22 11 and 13 and 21 (20)  
23 Orthopedic procedures/ (23578)  
24 Anti-inflammatory agents,non-steroidal/ (64867)  
25 13 and 23 and 24 (2)  
26 Headache disorders/ (2202)  
27 International Classification of Diseases/ (7377)  
28 26 and 27 (47)  
29 Ligaments,Articular/ (12753)  
30 1 and 2 and 5 and 29 (6)  
31 "18191356".mp. (1)

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Cervical Neck Pain or Cervical Radiculopathy**

32 4 or 6 or 9 or 16 or 17 or 18 or 19 or 20 or 22 or 25 or 28 or 30 (1853)  
33 limit 32 to (abstracts and english language and humans and yr="2007 -Current") (613)  
34 limit 33 to case reports (330)  
35 33 not 34 (283)  
36 35 and exp child/ (32)  
37 35 not 36 (251)  
38 remove duplicates from 37 (228)

---

Literature Search Performed on: 05/12/2017

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**

1 Neck Pain/ (5725)  
2 Scandinavian.mp. and Nordic Countries/ [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] (4727)  
3 North America/ (18209)  
4 Databases, Bibliographic/ (5298)  
5 1 and 2 and 3 and 4 (1)  
6 Mental Disorders/ (151236)  
7 Smoking/ (138090)  
8 Socioeconomic Factors/ (136511)  
9 \*"Cost of Illness"/ (10192)  
10 Comorbidity/ (88917)  
11 1 and 6 and 7 and 8 and 9 and 10 (1)  
12 Physical Therapy Modalities/ (33067)  
13 Radiculopathy/ (4425)  
14 Transcutaneous Electric Nerve Stimulation/ (4026)  
15 Neck/ (27807)  
16 12 and 13 and 14 and 15 (1)  
17 Peripheral Nervous System Diseases/ (21647)  
18 Prognosis/ (440252)  
19 Proportional Hazards Models/ (62179)  
20 Spinal Nerve Roots/ (9951)  
21 17 and 18 and 19 and 20 (1)  
22 Manipulation, Spinal/ (1403)  
23 Patient Care Team/ (60085)  
24 Whiplash Injuries/ (3109)  
25 Stress, Psychological/ (104846)  
26 Low Back Pain/ (18291)  
27 United States/ (826923)  
28 Health Behavior/ (43031)  
29 1 and 25 and 26 and 27 and 28 (1)  
30 Sick Leave/ (4898)  
31 Disability Evaluation/ (42439)  
32 Physicians, Family/ (15936)

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Cervical Neck Pain or Cervical Radiculopathy**

33 1 and 18 and 30 and 31 and 32 (1)

34 1 and 22 and 23 and 24 (1)

35 (Treatment of neck pain: noninvasive interventions: results of the Bone and Joint Decade 2000-2010 Task Force on Neck Pain and Its Associated Disorders).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] (2)

36 5 or 11 or 16 or 21 or 29 or 33 or 34 or 35 (8)

37 limit 36 to (abstracts and english language and humans and yr="2007 -Current") (5)

---

Literature Search Performed on: 05/12/2017

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**

1 Neck Pain/ (5725)

2 exp Diagnostic Imaging/ (2396509)

3 1 and 2 (1475)

4 limit 3 to "all child (0 to 18 years)" (246)

5 3 not 4 (1229)

6 limit 5 to case reports (746)

7 5 not 6 (483)

8 limit 7 to (abstracts and english language and humans and yr="2007 -Current") (301)

---

Literature Search Performed on: 05/12/2017

Beginning Date: January 2012

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**

1 Arteriovenous Malformations/ (7664)

2 exp Arthritis/ (236107)

3 Atlanto-Axial Joint/ (2773)

4 Cervical Cord/ (406)

5 Cervical Vertebrae/ (31656)

6 Intervertebral Disc/ (12912)

7 Longitudinal Ligaments/ (510)

8 Osteophyte/ (645)

9 Spinal Canal/ (3277)

10 Zygapophyseal Joint/ (1471)

11 paraspinal soft tissues.mp. (38)

12 Intervertebral Disc Degeneration/ or Intervertebral Disc Displacement/ (19885)

13 Osteomyelitis/ (19258)

14 Spinal Stenosis/ (5127)

15 Spondylarthropathies/ (1075)

16 Spondylosis/ (1668)

17 facet disease.mp. (32)

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Cervical Neck Pain or Cervical Radiculopathy**

18 Tuberculosis/ (99042)  
 19 exp Diagnostic Imaging/ (2396509)  
 20 Neck Pain/ (5725)  
 21 Radiculopathy/ (4425)  
 22 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 (49618)  
 23 1 or 2 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 21 (387309)  
 24 19 and (22 or 23) (78258)  
 25 20 and 24 (807)  
 26 trauma.mp. or "Wounds and Injuries"/ (274891)  
 27 20 and 26 (352)  
 28 25 or 27 (1088)  
 29 limit 28 to (abstracts and english language and humans and yr="2012 -Current") (276)  
 30 19 and 20 (1475)  
 31 limit 30 to (abstracts and english language and humans and yr="2012 -Current") (369)  
 32 29 or 31 (413)  
 33 limit 32 to case reports (195)  
 34 32 not 33 (218)  
 35 limit 34 to "all child (0 to 18 years)" (35)  
 36 34 not 35 (183)  
 37 remove duplicates from 36 (178)

**Summary**

Source	#Unique Refs	#Retained Refs
Old bibliography	60	16
Literature Search(es)	670	24
Author Added	91	74
Supporting Docs	9	9
Total		123

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.