

**Literature Search**  
**ACR Appropriateness Criteria®**  
**Myelopathy**

Literature Search Performed on: 09/13/2020

Beginning Date: January 2010

End Date: August 2020

Database: Ovid MEDLINE(R) ALL <1946 to September 11, 2020>

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**Search Strategy**

- 1 (Spinal Cord/ and Spinal Cord Diseases/ and Diffusion Magnetic Resonance Imaging/) or (spinal chord diseases/ and neoplasms/) (32)
- 2 (Multiple Sclerosis/ and Neuromyelitis Optica/ and Brain/) or (Arachnoid/ and Syringomyelia/) (164)
- 3 (Spinal Diseases/ and Postoperative Complications/ and diagnosis/) or (Infarction/ and Arteriovenous Malformations/) (29)
- 4 (Ependymoma/ and Spinal Cord Neoplasms/ and Hemangioblastoma/) or ((Spinal Diseases/ or Spinal Cord Ischemia/) and neuroimaging/) (68)
- 5 (Central Nervous System Vascular Malformations/ and Spinal Cord/ and Thoracic Vertebrae/) or ((Spinal Cord/ or Aquaporin 4/) and (Neuromyelitis Optica/ and Multiple Sclerosis/)) (267)
- 6 (Spinal Cord Diseases/ and Thoracic Vertebrae/ and Thoracic Vertebrae/ and Myelography/) or (Autoimmune Diseases of the Nervous System/ and Encephalitis/) (175)
- 7 (Intervertebral Disc Displacement/ and myelopathy/ and Spinal Canal/) or (Spinal Muscular Atrophies of Childhood/ and Cervical Cord/) or Intramedullary Spinal Cord Tumors.tw. (264)
- 8 (6 or 7) and exp diagnostic imaging/ (172)
- 9 1 or 2 or 3 or 4 or 5 or 8 (656)
- 10 limit 9 to (abstracts and english language and humans and yr="2010 - 2016") (186)
- 11 limit 10 to case reports (37)
- 12 10 not 11 (149)
- 13 limit 12 to "all child (0 to 18 years)" (52)
- 14 12 not 13 (97)

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Literature Search Performed on: 12/16/2019

Beginning Date: January 2010

End Date: November 2019

Database: Ovid MEDLINE(R) ALL <1946 to December 13, 2019>

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**Search Strategy**

- 1 Multiple Sclerosis/ (50834)
- 2 limit 1 to (guideline or practice guideline) (86)
- 3 (magnetic resonance imaging in multiple sclerosis or MAGNIMS consensus guidelines or Multiple sclerosis - a review or MR imaging of multiple sclerosis).tw. (271)
- 4 2 or 3 (352)
- 5 limit 4 to (abstracts and english language and yr="2010 -Current") (142)

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Literature Search Performed on: 08/22/2019

Beginning Date: January 2014

End Date: July 2019

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to August 20, 2019>

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**Search Strategy**

- 1 myelopathy.mp. or \*Spinal Cord Diseases/ (19556)
- 2 Spinal Cord Disorders.tw. (181)
- 3 (spinal cord lesion and myelopathy).mp. (72)
- 4 exp diagnostic imaging/ (2551559)

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- 5 (1 or 2 or 3) and 4 (6871)
- 6 limit 5 to "all adult (19 plus years)" (5118)
- 7 limit 5 to (guideline or meta analysis or practice guideline) (17)
- 8 6 or 7 (5129)
- 9 limit 8 to (abstracts and english language and humans and yr="2014 -Current") (784)
- 10 limit 9 to case reports (295)
- 11 9 not 10 (489)
- 12 (A practical approach to the diagnosis of spinal cord lesions or (Spinal Cord Disorders and Myelopathy)).tw. (24)
- 13 Imaging Approach to Myelopathy.tw. and Acute,Subacute.mp. and Chronic.tw. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms] (1)
- 14 11 or 12 or 13 (514)
- 15 remove duplicates from 14 (514)

**Summary**

<b>Source</b>	<b>#Unique Refs</b>	<b>#Retained Refs</b>
Old bibliography	78	12
Literature Search(es)	707	59
Author Added	32	27
Supporting Docs	5	5
Total		103

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.

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