



## Knowledge Forum

### Spinal Cord Injury



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## Publications 2021 – May 2022 by Projects

May 5, 2022

### AO Spine - RECODE-DCM

#### Peer-reviewed Journal Articles:

1. Mowforth OD, Khan DZ, Wong MY, Pickering GaE, Dean L, Magee J, Mullarkey L, Hirayama Y, Rihova M, Butler M, Stewart M, Goulson B, Ahmed S, Fricke K, Popa-Nimigean V, Millar Z, Venkatesh A, Willison A, Senthil K, Hazenbiller O, Sarewitz E, Sadler I, Gronlund T, Tetreault L, Harrop JS, Aarabi B, Rahimi-Movaghar V, Kurpad SN, Guest JD, Wilson JR, Kwon BK, Fehlings MG, Mcnair AGK, Davies BM, Kotter MRN. *Gathering Global Perspectives to Establish the Research Priorities and Minimum Data Sets for Degenerative Cervical Myelopathy: Sampling Strategy of the First Round Consensus Surveys of AO Spine RECODE-DCM*. *Global Spine J* 12(1\_suppl): 8s-18s, 2022.



2. Davies BM, Mowforth OD, Khan DZ, Yang X, Stacpoole SRL, Hazenbiller O, Gronlund T, Tetreault L, Kalsi-Ryan S, Starkey ML, Sadler I, Sarewitz E, Houlton D, Carter J, Howard E, Rahimi-Movaghar V, Guest JD, Aarabi B, Kwon BK, Kurpad SN, Harrop J, Wilson JR, Grossman R, Smith EK, Mcnair AGK, Fehlings MG, Kotter MRN. *The development of lived experience-centered word clouds to support research uncertainty gathering in degenerative cervical myelopathy: results from an engagement process and protocol for their evaluation, via a nested randomized controlled trial*. *Trials* 22(1): 415, 2021.



3. Davies BM, Touzet AY, Mowforth OD, Lee KS, Khan D, Furlan JC, Fehlings MG, Harrop J, Zipser CM, Rodrigues-Pinto R, Milligan J, Sarewitz E, Curt A, Rahimi-Movaghar V, Aarabi B, Boerger TF, Tetreault L, Chen R, Guest JD, Kalsi-Ryan S, Sadler I, Widdop S, Mcnair AGK, Kotter MRN, On behalf of the AO Spine RECODE-DCM Steering Committee. *Development of a core measurement set for research in degenerative cervical myelopathy: a study protocol (AO Spine RECODE-DCM CMS)*. medRxiv 2021.2011.2011.21266170, 2021.



4. Khan DZ, Fitzpatrick SM, Hilton B, Mcnair AG, Sarewitz E, Davies BM, Kotter MR. *Prevailing Outcome Themes Reported by People With Degenerative Cervical Myelopathy: Focus Group Study*. *JMIR Form Res* 5(2): e18732, 2021.



## Focus Issue:

### Peer-reviewed Journal Articles:

1. Boerger TF, Hyingstrom AS, Furlan JC, Kalsi-Ryan S, Curt A, Kwon BK, Kurpad SN, Fehlings MG, Harrop JS, Aarabi B, Rahimi-Movaghar V, Guest JD, Wilson JR, Davies BM, Kotter MRN, Koljonen PA. *Developing Peri-Operative Rehabilitation in Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 6]: An Unexplored Opportunity?* Global Spine Journal 12(1\_suppl): 97S-108S, 2022.



2. Davies BM, Kwon BK, Fehlings MG, Kotter MRN. *AO Spine RECODE-DCM: Why Prioritize Research in Degenerative Cervical Myelopathy?* Global Spine Journal 12(1\_suppl): 5S-7S, 2022.



3. Davies BM, Mowforth O, Gharooni A-A, Tetreault L, Nouri A, Dhillon RS, Bednarik J, Martin AR, Young A, Takahashi H, Boerger TF, Newcombe VFJ, Zipser CM, Freund P, Koljonen PA, Rodrigues-Pinto R, Rahimi-Movaghar V, Wilson JR, Kurpad SN, Fehlings MG, Kwon BK, Harrop JS, Guest JD, Curt A, Kotter MRN. *A New Framework for Investigating the Biological Basis of Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 5]: Mechanical Stress, Vulnerability and Time.* Global Spine Journal 12(1\_suppl): 78S-96S, 2022.



4. Davies BM, Mowforth O, Wood H, Karimi Z, Sadler I, Tetreault L, Milligan J, Wilson JRF, Kalsi-Ryan S, Furlan JC, Kawaguchi Y, Ito M, Zipser CM, Boerger TF, Vaccaro AR, Murphy RKJ, Hutton M, Rodrigues-Pinto R, Koljonen PA, Harrop JS, Aarabi B, Rahimi-Movaghar V, Kurpad SN, Guest JD, Wilson JR, Kwon BK, Kotter MRN, Fehlings MG. *Improving Awareness Could Transform Outcomes in Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 1].* Global Spine Journal 12(1\_suppl): 28S-38S, 2022.



5. Davies BM, Phillips R, Clarke D, Furlan JC, Demetriades AK, Milligan J, Witiw CD, Harrop JS, Aarabi B, Kurpad SN, Guest JD, Wilson JR, Kwon BK, Vaccaro AR, Fehlings MG, Rahimi-Movaghar V, Kotter MRN. *Establishing the Socio-Economic Impact of Degenerative Cervical Myelopathy Is Fundamental to Improving Outcomes [AO Spine RECODE-DCM Research Priority Number 8].* Global Spine Journal 12(1\_suppl): 122S-129S, 2022.



6. Gharooni A-A, Kwon BK, Fehlings MG, Boerger TF, Rodrigues-Pinto R, Koljonen PA, Kurpad SN, Harrop JS, Aarabi B, Rahimi-Movaghar V, Wilson JR, Davies BM, Kotter MRN, Guest JD. *Developing Novel Therapies for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 7]: Opportunities From Restorative Neurobiology.* Global Spine Journal 12(1\_suppl): 109S-121S, 2022.



7. Hilton B, Gardner EL, Jiang Z, Tetreault L, Wilson JRF, Zipser CM, Riew KD, Guest JD, Harrop JS, Fehlings MG, Rodrigues-Pinto R, Rahimi-Movaghar V, Aarabi B, Koljonen PA, Kotter MRN, Davies BM, Kwon BK. *Establishing Diagnostic Criteria for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 3].* Global Spine Journal 12(1\_suppl): 55S-63S, 2022.



8. Khan DZ, Hazenbiller O, Gronlund T, Sadler I, Sarewitz EB, Mowforth O, Kotter MRN, Davies BM. *The AO Spine RECODE-DCM International Collaborative—Establishing the Foundations for Accelerated and Patient-Centered Innovation.* Global Spine Journal 12(1\_suppl): 159S-171S, 2022.



9. Nouri A, Tessitore E, Molliqaj G, Meling T, Schaller K, Nakashima H, Yukawa Y, Bednarik J, Martin AR, Vajkoczy P, Cheng JS, Kwon BK, Kurpad SN, Fehlings MG, Harrop JS, Aarabi B, Rahimi-Movaghar V, Guest JD, Davies BM, Kotter MRN, Wilson JR. *Degenerative Cervical Myelopathy: Development and Natural History [AO Spine RECODE-DCM Research Priority Number 2]*. *Global Spine Journal* 12(1\_suppl): 39S-54S, 2022.



10. Rodrigues-Pinto R, Montenegro TS, Davies BM, Kato S, Kawaguchi Y, Ito M, Zileli M, Kwon BK, Fehlings MG, Koljonen PA, Kurpad SN, Guest JD, Aarabi B, Rahimi-Movaghar V, Wilson JR, Kotter MRN, Harrop JS. *Optimizing the Application of Surgery for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 10]*. *Global Spine Journal* 12(1\_suppl): 147S-158S, 2022.



11. Tetreault L, Mowforth O, Khan DZ, Gronlund T, Garwood P, Hazenbiller O, Harrop JS, Aarabi B, Rahimi-Movaghar V, Kurpad SN, Guest JD, Wilson JR, Kwon BK, Fehlings MG, Davies BM, Kotter MRN. *James Lind Alliance Priority Setting Partnership for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM]: An Overview of the Methodology Used to Process and Short-List Research Uncertainties*. *Global Spine Journal* 12(1\_suppl): 19S-27S, 2022.



12. Martin AR, Tetreault L, Nouri A, Curt A, Freund P, Rahimi-Movaghar V, Wilson JR, Fehlings MG, Kwon BK, Harrop JS, Davies BM, Kotter MRN, Guest JD, Aarabi B, Kurpad SN. *Imaging and Electrophysiology for Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 9]*. *Global Spine Journal* 12(1\_suppl): 130S-146S, 2021.



13. Mowforth OD, Khan DZ, Wong MY, Pickering GaE, Dean L, Magee J, Mullarkey L, Hirayama Y, Rihova M, Butler M, Stewart M, Goulson B, Ahmed S, Fricke K, Popa-Nimigean V, Millar Z, Venkatesh A, Willison A, Senthil K, Hazenbiller O, Sarewitz E, Sadler I, Gronlund T, Tetreault L, Harrop JS, Aarabi B, Rahimi-Movaghar V, Kurpad SN, Guest JD, Wilson JR, Kwon BK, Fehlings MG, Mcnair AGK, Davies BM, Kotter MRN. *Gathering Global Perspectives to Establish the Research Priorities and Minimum Data Sets for Degenerative Cervical Myelopathy: Sampling Strategy of the First Round Consensus Surveys of AO Spine RECODE-DCM*. *Global Spine Journal* 12(1\_suppl): 8S-18S, 2021.



14. Tetreault L, Garwood P, Gharooni A-A, Touzet AY, Nanna-Lohkamp L, Martin A, Wilson J, Harrop JS, Guest J, Kwon BK, Milligan J, Arizala AM, Riew KD, Fehlings MG, Kotter MRN, Kalsi-Ryan S, Davies BM. *Improving Assessment of Disease Severity and Strategies for Monitoring Progression in Degenerative Cervical Myelopathy [AO Spine RECODE-DCM Research Priority Number 4]*. *Global Spine Journal* 12(1\_suppl): 64S-77S, 2021.



## [AO Spine RECODE-DCM Incubators](#)

1. Zipser CM, Margetis K, Pedro KM, Curt A, Fehlings M, Sadler I, Tetreault L, Davies BM. *Increasing awareness of degenerative cervical myelopathy: a preventative cause of non-traumatic spinal cord injury*. *Spinal Cord* 59(11): 1216-1218, 2021.



## [Accepted](#)

1. Zipser CM, Fehlings MG, Margetis K, Curt A, Betz M, Sadler I, Tetreault L, Davies BM, On behalf of the AO Spine RECODE DCM Steering Committee\* and Members of the Diagnostic Criteria Working Group. *Proposing a Framework to Understand the Role of Imaging in Degenerative Cervical Myelopathy: Enhancement of MRI Protocols Needed for Accurate Diagnosis and Evaluation*. *Spine* 2022.