**Supplemental Table 1.** Search results of PubMed ([https://pubmed.ncbi.nlm.nih.gov](https://pubmed.ncbi.nlm.nih.gov)). The search term used in PubMed includes the following: (Locomotive Syndrome[Title/Abstract]). All searches were conducted on March 20, 2022.

<table>
<thead>
<tr>
<th>Study</th>
<th>Result</th>
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<tr>
<td>Shigematsu H, Tanaka M, Kawasaki S, Masuda K, Suga Y, Yamamoto Y, Tanaka Y. Surgery Can Improve Locomotive Syndrome</td>
<td>Excluded (Screened)</td>
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Included


Arbex MCFB, Okazaki JEF, Tavares DRB, Figueiredo Bersani AL, Santos FC. Locomotive Syndrome is associated with chronic pain Excluded (Screened)


Sugai K, Imamura H, Michikawa T, Asakura K, Nishiwaki Y. Awareness of Locomotive Syndrome and Factors Associated with Excluded (Screened)

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Yi HS, Lee S. Overcoming osteoporosis and beyond: Locomotive syndrome or dysmobility syndrome. Osteoporos Sarcopenia. 2018 Sep;4(3):77-78.


Iwaya T, Doi T, Seichi A, Hoshino Y, Ogata T, Akai M. Relationship between physician-judged functioning level and self-reported...


Akai M, Doi T, Seichi A, Okuma Y, Ogata T, Iwaya T. Locomotive Syndrome: Operational Definition Based on a Questionnaire, and


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Seichi A, Hoshino Y, Doi T, Akai M, Tobimatsu Y, Kita K, Iwaya T. Determination of the optimal cutoff time to use when screening

Included


Hirano K, Imagama S, Hasegawa Y, Wakao N, Muramoto A, Ishiguro N. Impact of back muscle strength and aging on locomotive...


