

**Review Group Membership**

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**Disclaimer:**

Technology review is a brief report, prepared on an urgent basis, which draws on restricted reviews from analysis of pertinent literature, on expert opinion and / or regulatory status where appropriate. It is subjected to an external review process. While effort has been made to do so, this document may not fully reflect all scientific research available. Additionally, other relevant scientific findings may have been reported since completion of this review.

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**Introduction**

Intervertebral disc pathology is one of the primary causes of back and neck pain. The discs are prone to degeneration and injury as they are compressed and twisted through daily activities. Damaged intervertebral discs seldom heal because they remain under constant pressure, even while a person is at rest. The most commonly used traction techniques are mechanical or motorized traction (where the traction is exerted by motorized pulley), and manual traction (in which the traction is exerted by the therapist, using his or her body weight to alter the force and direction of the pull). The Spine [REDACTED] Decompression System provides a program of treatment for relief from pain for those patients suffering with low back pain, neck pain or sciatica.

**Objective/Aim**

The objective of this technology review was to assess the safety, effectiveness and cost-effectiveness of Spine [REDACTED] Decompression System for treatment of low back pain, neck pain or sciatica.

**Results and Conclusions**

There was no retrievable evidence on the safety of Spine [REDACTED] Decompression System for treatment of low back pain, neck pain or sciatica. However, it has received approval from United State Food & Drug Administration (USFDA). There was insufficient, poor level of evidence to show the effectiveness of the Spine [REDACTED] Decompression System for the treatment of patients suffering from low back pain. There was no retrievable evidence on the cost-effectiveness of Spine [REDACTED] Decompression System for treatment of low back pain, neck pain or sciatica. However, the company claimed that the cost for the full Spine [REDACTED] program is approximately \$ [REDACTED] (US dollar).

**Methods**

Electronic databases were searched, which included PubMed, Medline, Journal @ Ovid full text via OVID, OVID EBM Reviews - Cochrane central register of controlled trials, EBM Reviews - Cochrane database of systematic review, Horizon scanning databases - Centre, Birmingham, Australia and New Zealand Horizon scanning (ANZHSN), FDA website, MHRA website and from non scientific database - Google search engine. In addition, a cross-referencing of the articles retrieved was also carried out accordingly to the topic. Relevant articles were critically appraised and evidence graded using US / Canadian Preventive Services Task Force.