

Spinal Cord Stimulation for Pain Management in Spinal Cord Injury: A State-of-the-Art Review

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Introduction

- ❖ Chronic pain is common after spinal cord injury (SCI)
- ❖ Neuromodulation through spinal cord stimulation (SCS) is an effective treatment modality for chronic pain patients
- ❖ Growing literature suggests this may also be useful in managing chronic pain for patients with SCI
- ❖ However, research on SCS in SCI for chronic pain is limited

Methods

- ❖ Using PRISMA Guidelines, a literature search was performed (PubMed, EMBASE, Web of Science, Cochrane)
- ❖ Inclusion criteria: SCI diagnosis, treatment with SCS, human participant, adult (18+) patient, and quantitative or qualitative outcomes available for pain

Results

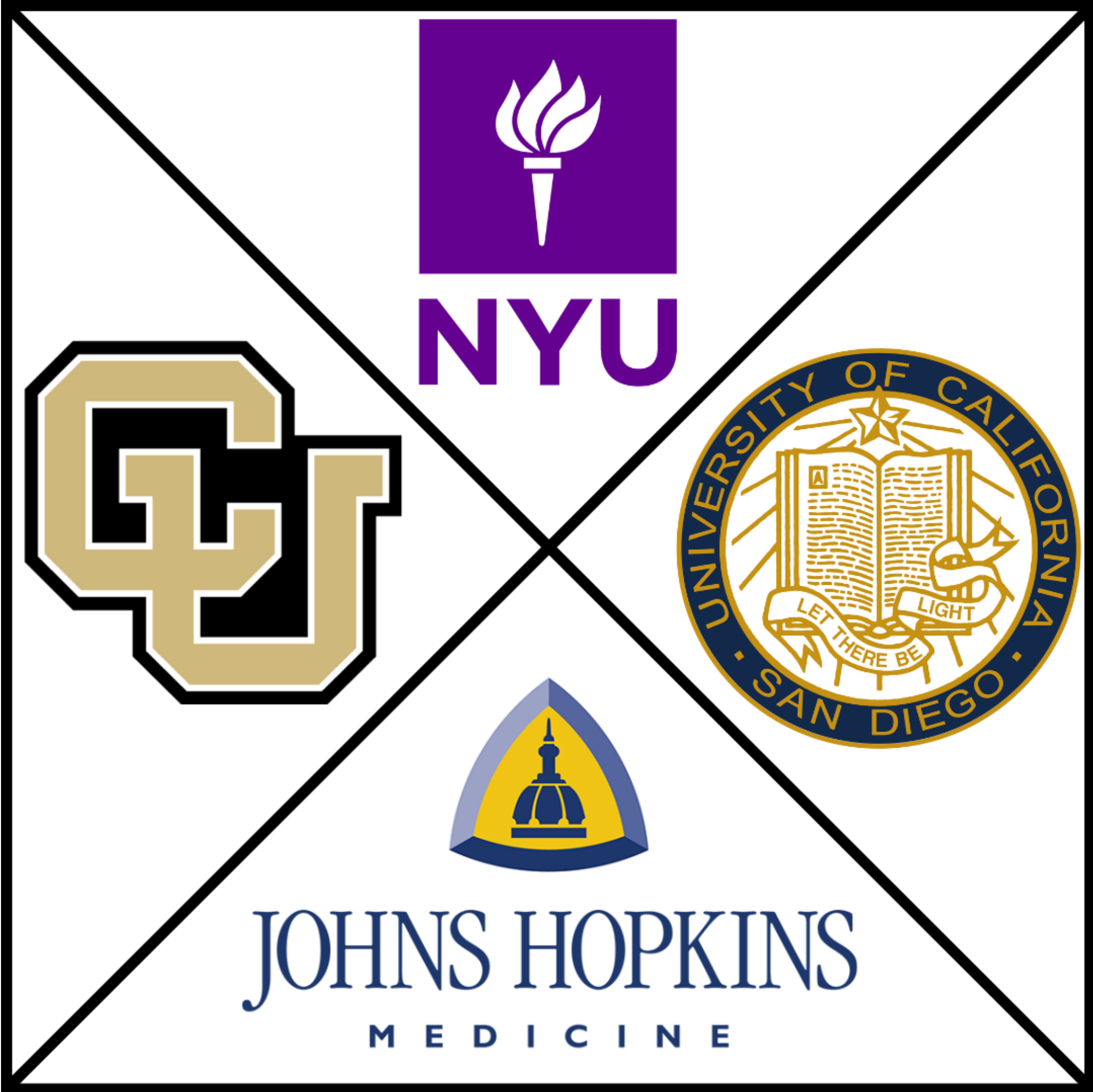
- ❖ 531 Studies were identified
- ❖ 527 Studies were screened
- ❖ 23 Full-text reviews
- ❖ 7 Studies were included in the final analysis

Conclusion

- ❖ The **literature is limited** regarding the use of **SCS in SCI for pain** management
- ❖ SCS has been shown to provide pain relief to patients with chronic pain, and this modality **may benefit patients** with chronic pain **after SCI**
- ❖ Additional **high-quality research is needed** to assess the **efficacy of SCS for pain management after SCI**

References

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