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# Additional evidence supporting the central sensitization inventory (CSI) as an outcome measure among chronic pain patients in functional restoration program care

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Neblett et al. [ [1](#) ] have elegantly demonstrated the use of the central sensitization inventory (CSI) [ [2](#) , [3](#) ] as an outcome measure among patients with chronic spinal pain disorder undergoing treatment in a functional restoration program. Their study is encouraging as it is the first application of the CSI in this manner, and offers another useful assessment tool in understanding recovery in such patients. We support the use of this measure and wish to share here our preliminary findings from the recent application of the CSI to our functional restoration program.

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## References

1. Neblett R. • Hartzell M.M. • Williams M. • Bevers K.R. • Mayer T.G. • Gatchel R.J.  
**Use of the central sensitization inventory (CSI) as a treatment outcome measure for chronic spinal pain disorder patients in a functional restoration program.**  
*Spine J.* 2017;  
<https://doi.org/10.1016/j.spinee.2017.06.008>  
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[Scopus \(24\)](#) • [PubMed](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)
2. Mayer T.G. • Neblett R. • Cohen H. • Howard K.J. • Choi Y.H. • Williams M.J. • et al.  
**The development and psychometric validation of the central sensitization inventory.**  
*Pain Pract.* 2012; **12**: 276-285  
[View in Article](#) ^  
[Scopus \(223\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)
3. Neblett R. • Hartzell M.M. • Mayer T.G. • Cohen H. • Gatchel R.J.  
**Establishing clinically relevant severity levels for the central sensitization inventory.**  
*Pain Pract.* 2017; **17**: 166-175  
[View in Article](#) ^  
[Scopus \(74\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)
4. Scheman J. • Hadlandsyth K. • Cummings L. • Benzel E.  
**Successful treatment of lumbar stenosis-related disability in a comprehensive chronic in rehabilitation program.**



*World Spinal Column Journal*. 2015; **6**: 75-78

[View in Article](#) ^



5. Miller B. • Gatchel R.J. • Lou L. • et al.

**Interdisciplinary treatment of failed back surgery syndrome (FBSS): a comparison of FBSS and non-FBSS patients.**

*Pain Pract.* 2005; **5**: 190-202

[View in Article](#) ^

[Scopus \(24\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)

6. Gatchel R.J. • Okifuji A.

**Evidence-based scientific data documenting the treatment and cost-effectiveness of comprehensive pain programs for chronic nonmalignant pain.**

*J Pain.* 2006; **7**: 779-793

[View in Article](#) ^

[Scopus \(326\)](#) • [PubMed](#) • [Abstract](#) • [Full Text](#) • [Full Text PDF](#) • [Google Scholar](#)

7. Gatchel R.J. • McGeary D.D. • McGeary C.A. • Lippe B.

**Interdisciplinary chronic pain management: past, present, and future.**

*Am Psycholog.* 2014; **69**: 119-130

[View in Article](#) ^

[Scopus \(302\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)

8. Stanos S.

**Focused review of interdisciplinary pain rehabilitation programs for chronic pain management.**

*Curr Pain Headache Rep.* 2012; **16**: 147-152

[View in Article](#) ^

[Scopus \(70\)](#) • [PubMed](#) • [Crossref](#) • [Google Scholar](#)



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