

Title: Clinical Prediction Rules

Overview: This course explores clinical prediction rules and their application within the chiropractic practice. A basic explanation of the purpose of clinical prediction rules is offered, followed by the presentation of multiple cervical and lumbar spine rules.

Objectives: The attendee will learn to interpret basic statistics and how to apply clinical prediction rules to patient cases. After completing the course, the attendee will possess improved skills for developing evidence-informed treatment plans.

Hour 1- Introduction to clinical prediction rules and statistics, presentation of three cervical spine rules.

Hour 2- Presentation of five lumbar spine clinical prediction rules

References:

1. Fritz, J. M., Cleland, J. A., and Childs, J. D. (2007). Subgrouping Patients With Low Back Pain: Evolution of a Classification Approach to Physical Therapy. *JOSPT*, 37(6), 290-302.
2. Flynn, T., Fritz, J., Whitman, J....and Allison, S. (2002). A Clinical Prediction Rule for Classifying Patients with Low Back Pain Who Demonstrate Short-Term Improvement With Spinal Manipulation. *SPINE*, 27(24), 2835-2843.
3. Childs, J. D., Fritz, J. M., Flynn, T. W....and Delitto, A. (2004). A Clinical Prediction Rule To Identify Patients with Low Back Pain Most Likely To Benefit from Spinal Manipulation: A Validations Study. *Ann Intern Med*, 141(12), 920-928.
4. Hicks, G. E., Fritz, J. M., Delitto, A., and McGill, S. M. (2005). Preliminary Development of a Clinical Prediction Rule for Determining Which Patients With Low Back Pain Will Respond to a Stabilization Exercise Program. *Arch Phys Med Rehabil*, 86, 1753-1762.
5. Haladay, D. E., Miller, S. J., Challis, J., & Denegar, C. R. (2013). Quality of Systematic Reviews on Specific Spinal Stabilization Exercise for Chronic Low Back Pain. *JOSPT*, 43(4), 242-250.
6. Cai, C., Pua, Y. H., and Lim, K. C. (2009). A clinical prediction rule for classifying patients with low back pain who demonstrate short-term improvement with mechanical lumbar traction. *Eur Spine J*, 18, 554-561.
7. Fritz, J. M., Lindsay, W., Matheson, J. W....and Rodriguez, B. (2007). Is There a Subgroup of Patients With Low Back Pain Likely to Benefit From Mechanical Traction? *SPINE*, 32(26), E793-E800.
8. Mehling, W. E., Ebell, M. H., Avins, A. L., Hecht, F. M. (2015). Clinical decision rule for primary care patient with acute low back pain at risk of developing chronic pain. *SPINE*, 15(7), 1577-1586.
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