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Psychological factors are related to pain intensity in back-healthy people who develop clinically relevant pain during prolonged standing: A preliminary study

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1 Title: Psychological factors are related to pain intensity in back-healthy people who develop 2 clinically relevant pain during prolonged standing: A preliminary study 3 Authors: Christopher J. Sorensen PhD¹, Steven Z. George, PT, PhD², Jack P. Callaghan PhD³, 4 Linda R. Van Dillen PT, PhD¹ 5 6 Author affiliations: 1 Program in Physical Therapy, Washington University School of Medicine 7 in St. Louis, Saint Louis, MO, USA 63108, 2 Department of Physical Therapy, Brooks-PHHP 8 Research Collaboration, University of Florida, Gainesville, FL, USA, 3 Department of 9 10 Kinesiology, University of Waterloo, Waterloo, Ontario, Canada N2L3G1 11 Corresponding Author: Linda R. Van Dillen, PT, PhD, 12 13 4444 Forest Park Blvd., Box 8502 Saint Louis, MO 63108 USA 14 Phone: 314-286-1427 15 Fax: 314-286-1410 16 Email: vandillenl@wustl.edu 17 18 Sources of Funding: Christopher J. Sorensen was supported by the Washington University 19 Institute of Clinical and Translational Sciences grants UL1 TR000448 and TL1 TR000449 from 20 the National Center for Advancing Translational Sciences of the National Institutes of Health 21 (NIH). The authors declare no conflicts of interest. The content is solely the responsibility of the 22 authors and does not necessarily represent the official views of the NIH. 23

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