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Dynamic balance is related to physiological impairments in persons with multiple sclerosis

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1 Dynamic balance in multiple sclerosis Title: Dynamic balance is related to physiological impairments in persons with multiple 2 3 sclerosis Previous manuscript reference number: ARCHIVES-PMR-D-17-00464 4 Alexander T. Peebles,  $MS^{1,2}$ , Adam P. Bruetsch,  $MS^1$ , Sharon G. Lynch,  $MD^3$ , Jessie M. Huisinga, 5 PhD<sup>1,2,4\*</sup> 6 7 This study was performed at: University of Kansas Medical Center, School of Health Professions, Department of Physical Therapy and Rehabilitation Sciences 8 9 <sup>1</sup>Landon Center on Aging, University of Kansas Medical Center, 3901 Rainbow Blvd., Mail stop 1005, Kansas City, KS 66160, United States 10 <sup>2</sup>Bioengineering Graduate Program, University of Kansas, 3135A Learned Hall, 1530 W 15<sup>th</sup> St, 11 Lawrence, KS 66045, United States 12 <sup>3</sup>Department of Neurology, University of Kansas Medical Center, 3901 Rainbow Blvd., Mail stop 13 1005, Kansas City, KS 66160, United States 14 <sup>4</sup>Department of Physical Therapy and Rehabilitation Sciences, University of Kansas Medical 15 Center, 3901 Rainbow Blvd., Mail stop 1005, Kansas City, KS 66160, United States 16

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17

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