

1 **Title: Gait asymmetry is associated with performance-based physical function**  
2 **among adults with lower-limb amputation**

3

4 **Short title: Gait asymmetry and physical function**

5

6 **Author names:**

7 Mayank Seth<sup>\*a</sup>, Peter C Coyle<sup>b</sup>, Ryan T Pohlig<sup>c</sup>, Emma H Beisheim<sup>a</sup>, John R Horne<sup>d</sup>,  
8 Gregory E Hicks<sup>b</sup>, Jaclyn Megan Sions<sup>a</sup>

9

10 **Authors Affiliations:**

11 <sup>a</sup>Delaware Limb Loss Studies, Department of Physical Therapy, University of  
12 Delaware, Newark DE; <sup>b</sup>Delaware Spine Studies, Department of Physical Therapy,  
13 University of Delaware, Newark DE; <sup>c</sup>Biostatistics Core Facility, University of  
14 Delaware, Newark, DE; <sup>d</sup>Independence Prosthetics-Orthotics, Inc., Newark, DE

15

16 **\*Corresponding author**

17 Mayank Seth; 540 South College Avenue, Suite 144A, University of Delaware,  
18 Newark, DE, 19713, USA; 302-831-7142 (work); [mseth@udel.edu](mailto:mseth@udel.edu).

19

20 This work was supported by the Eunice Kennedy Shriver National Institute of Child  
21 Health and Human Development of the National Institutes of Health under award  
22 number R03HD088668. Data collections and manuscript preparation by Dr. Beisheim  
23 were supported by the National Institute of Health (award number: T32HD007490) and  
24 Promotion of Doctoral Studies I and II scholarships from the Foundation for Physical  
25 Therapy Research. Dr. Seth is supported by a Postdoctoral Researcher Fund provided









































































