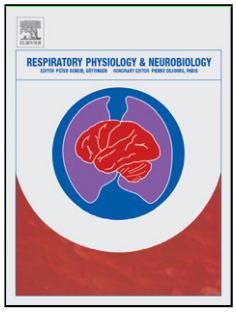

Title: Is parasternal intercostal EMG an accurate surrogate of respiratory neural drive and biomarker of dyspnea during cycle exercise testing?

Author: Andrew H. Ramsook Reid A. Mitchell Tyson Bell Suzanne Calli Chris Kennedy Jenny Lehmann Matt Thompson Joseph H. Puyat Jordan A. Guenette

PII: S1569-9048(17)30021-6
DOI: http://dx.doi.org/doi:10.1016/j.resp.2017.03.003
Reference: RESPNB 2783

To appear in: *Respiratory Physiology & Neurobiology*

Received date: 23-1-2017
Revised date: 14-2-2017
Accepted date: 8-3-2017

Please cite this article as: Ramsook, A.H., Mitchell, R.A., Bell, T., Calli, S., Kennedy, C., Lehmann, J., Thompson, M., Puyat, J.H., Guenette, J.A.,Is parasternal intercostal EMG an accurate surrogate of respiratory neural drive and biomarker of dyspnea during cycle exercise testing?, *Respiratory Physiology and Neurobiology* (2017), http://dx.doi.org/10.1016/j.resp.2017.03.003

Title: Is parasternal intercostal EMG an accurate surrogate of respiratory neural drive and biomarker of dyspnea during cycle exercise testing?

Authors: Andrew H. Ramsook[1,2], Reid A. Mitchell[1,2], Tyson Bell[2], Suzanne Calli[2], Chris Kennedy[2], Jenny Lehmann[2], Matt Thompson[2], Joseph H. Puyat[3], Jordan A. Guenette[1,2].

[1] Centre for Heart Lung Innovation, University of British Columbia and St. Paul's Hospital, Vancouver, BC, Canada
[2] Department of Physical Therapy, University of British Columbia, Vancouver, BC, Canada
[3] Centre for Health Evaluation & Outcome Sciences, Providence Health Care Research Institute, University of British Columbia, St. Paul's Hospital, Vancouver, BC, Canada

Manuscript Type: Short Communication

Word Count: 1644

Conflicts of Interest: None of the authors have any conflicts of interest to report relevant to this manuscript.

Disclosure of Funding: This study was funded by a Discovery Grant from the Natural Sciences and Engineering Research Council of Canada and an Emerging Research Leaders Initiative Grant from the Canadian Respiratory Research Network. AHR was supported by a fellowship from the University of British Columbia and JAG was supported by a Canadian Institutes of Health Research Clinical Rehabilitation New Investigator Award and Scholar Awards from the Michael Smith Foundation for Health Research, Providence Health Care Research Institute, and St. Paul's Hospital Foundation.

Corresponding author:
Jordan A. Guenette, Ph.D.
Centre for Heart Lung Innovation
166-1081 Burrard Street
Vancouver, BC, Canada, V6Z 1Y6
Phone : 604-806-8346
Fax : 604-806-9274
jordan.guenette@hli.ubc.ca