



Centre for  
**Heart Lung Innovation**  
UBC and St. Paul's Hospital

## Centre for Heart Lung Innovation Research in Progress (R.I.P.)

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### Effects of dead space loading on respiratory mechanics and exertional dyspnea

**Reid Mitchell**  
PhD Student  
Dr. Jordan Guenette

Monday, April 3<sup>rd</sup> 2023  
9:00 – 10:00 a.m.

**James Hogg Conference Centre RM 103**  
**Zoom Video Conference**  
(Meeting ID: 693 1997 7044; Passcode: 030679)

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*“Dyspnea (i.e., breathlessness) is an independent predictor of mortality and is strongly associated with reduced quality of life. Females with COPD experience disproportionately greater dyspnea and worse health outcomes in comparison to males with similar disease severity. Even healthy females consistently report higher dyspnea intensity ratings and select more distressing and unpleasant qualitative descriptors of dyspnea than their healthy male counterparts. Unfortunately, the physiological basis for sex differences in exertional dyspnea is poorly understood and understudied. I will be presenting preliminary data from my PhD thesis, which is using dead space loading to stress the respiratory system in healthy humans in order to better understand sex differences in dyspnea.”*

*This event is a Self-Approved Group Learning Activity as defined by the Maintenance Certification Program of the Royal College of Physicians and Surgeons of Canada*



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