## Accepted Manuscript

Title: Modelling Mixing within the Dead Space of the Lung Improves Predictions of Functional Residual Capacity

Authors: Chris D. Harrison, Phi Anh Phan, Cathy Zhang, Daniel Geer, Andrew D. Farmery, Stephen J Payne

PII: S1569-9048(16)30253-1

DOI: http://dx.doi.org/doi:10.1016/j.resp.2017.03.006

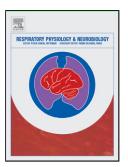
Reference: RESPNB 2786

To appear in: Respiratory Physiology & Neurobiology

Received date: 31-10-2016 Revised date: 9-3-2017 Accepted date: 13-3-2017

Please cite this article as: Harrison, Chris D., Phan, Phi Anh, Zhang, Cathy, Geer, Daniel, Farmery, Andrew D., Payne, Stephen J, Modelling Mixing within the Dead Space of the Lung Improves Predictions of Functional Residual Capacity.Respiratory Physiology and Neurobiology http://dx.doi.org/10.1016/j.resp.2017.03.006

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## ACCEPTED MANUSCRIPT

Modelling Mixing within the Dead Space of the Lung Improves Predictions of Functional Residual Capacity

Chris D Harrison<sup>a1</sup>, Phi Anh Phan<sup>b</sup>, Cathy Zhang<sup>c2</sup>, Daniel Geer<sup>d</sup>, Andrew D Farmery<sup>b</sup>, Stephen J Payne<sup>a</sup>.

<sup>&</sup>lt;sup>a</sup> Institute of Biomedical Engineering, Department of Engineering Science, University of Oxford, Old Road Campus Research Building, Roosevelt Drive, Oxford, OX3 7DQ, UK.

<sup>&</sup>lt;sup>b</sup> Nuffield Division of Anaesthetics, Nuffield Department of Clinical Neurosciences, University of Oxford, John Radcliffe Hospital, Oxford, OX3 9DU, UK.

<sup>&</sup>lt;sup>c</sup> New College, University of Oxford, Holywell Street, Oxford, OX1 3BN, UK.

<sup>&</sup>lt;sup>d</sup> The Queen's College, University of Oxford, High Street, Oxford, OX1 4AW, UK.

<sup>&</sup>lt;sup>1</sup> Present address: Power Networks Demonstration Centre, Department of Electronic and Electrical Engineering, University of Strathclyde, 62 Napier Road, Wardpark North, Cumbernauld, G68 0EF.

<sup>&</sup>lt;sup>2</sup>Present address: GKT School of Medical Education, King's College London, London, SE1 9RT.

## Download English Version:

## https://daneshyari.com/en/article/5594111

Download Persian Version:

https://daneshyari.com/article/5594111

<u>Daneshyari.com</u>