

Dr Daniel Stuart Martin BSc, MBChB, FRCA, FFICM, PhD

Present appointments

- Senior Lecturer, UCL Division of Surgery and Interventional Science
- Consultant in Anaesthesia and Critical Care Medicine, Royal Free Hospital, London
- Director of the UCL Centre for Altitude, Space and Extreme Environment (CASE) Medicine
- Clinical lead for the UCL cardiopulmonary exercise testing service

Previous appointments

- Nov 2010 – May 2011: Anaesthetics, Whittington Hospital, London
- Aug 2010 – Oct 2010: Research Fellow CASE Medicine, University College London
- Feb 2010 – Aug 2010: Intensive Care Medicine, University College London Hospital

Publication summary

Publication years: 1994 – 2015
Published: 55

Citations: 901 (02/2015)
h-index: 16 (02/2015)

Recent publications

1. Jacobs M, Aarons E, Bhagani S, Buchanan R, Cropley I, Hopkins S, Lester R, **Martin D**, Marshall N, Mephram S, Warren S And Rodger A. Post-exposure prophylaxis against Ebola using experimental antiviral agents. Lancet Infectious Diseases (Accepted, July 2015)
2. Gilbert-Kawai E, Coppel J, Bountziouka V, Ince C and **Martin D**. A comparison of the quality of image acquisition between the incident dark field and sidestream dark field video-microscopes. BMC Medical Imaging (Accepted July 2015)
3. Whittle J, Nelson A, Otto J, Stephens R, **Martin D**, Sneyd R, Struthers R, Minto G and Ackland G. Sympathetic autonomic dysfunction and impaired cardiovascular performance in higher risk surgical patients: implications for perioperative sympathectomy. Openheart (Accepted June 2015)
4. Stephen W, Davies T, **Martin D**, Feelisch M and Gilbert-Kawai E. Getting the most from venous occlusion plethysmography: proposed methods for the analysis of data with a rest/exercise protocol. Extreme Physiology & Medicine (2015) 4:8
5. Sanborn MR, Edsell ME, Kim MN, Mesquita R, Putt ME, Imray C, Yow H, Wilson MH, Yodanis CL, Grocott M and **Martin DS**. Cerebral Hemodynamics at Altitude: Effects of Hyperventilation and Acclimatization on Cerebral Blood Flow and Oxygenation. Wilderness Environ Med. 2015 Mar 18. [Epub ahead of print]
6. Gilbert-Kawai E, Sherperdigian A, Adams T, Mitchell K, Feelisch M, Murray A, Peters M, Gilbert-Kawai G, Montgomery H, Levett D, Kumar R, Mythen M, Grocott M, **Martin D**. Design and conduct of Xtreme Everest 2: An observational cohort study of Sherpa and lowlander responses to graduated hypobaric hypoxia. F1000Research 2015, 4:90
7. Levett DZ, Viganò A, Capitanio D, Vasso M, De Palma S, Moriggi M, **Martin DS**, Murray AJ, Cerretelli P, Grocott MP and Gelfi C. Changes in muscle proteomics in the course of the Caudwell Research Expedition to Mt. Everest. Proteomics. 2015 Jan;15(1):160-71
8. **Martin DS**, Cobb A, Meale P, Mitchell K, Edsell M, Mythen M and Grocott MPW. Systemic oxygen extraction during exercise at high altitude. Br J Anaesth. 2014 Dec 13.

9. Gilbert-Kawai ET, Milledge JS, Grocott MPW, **Martin DS**. King of the Mountains: Tibetan and Sherpa Physiological Adaptations for Life at High Altitude. *Physiology* 2014; 29(6) 388-402
10. **Martin DS** and MPW Grocott. Oxygen therapy and anaesthesia: too much of a good thing? *Anaesthesia* 2015, 70, 522-7
11. **Martin DS**. Oxygen Therapy: Is the Tide Turning? *Critical Care Medicine*, 2014 Volume 42, Issue 6, 1553-1554

Recent grants

1. 2015: Co-applicant. NIHR RfPB – PB-PB-0214-33043 - A feasibility study of Cardiac Output optimisation following Liver Transplantation (COLT trial). £215,971.00
2. 2014: Lead applicant. Royal Free Charity. 'Xtreme Everest Translational Research Programme' £19,000
3. 2014: Lead applicant. Intensive Care Foundation New Investigator award. 'An observation comparison of tissue dysoxia with disease severity and outcomes in critically ill patients' £14,815
4. 2014: Lead applicant. Royal Free Charity £19K.
5. 2013: Lead applicant. MRC-NIHR Phenome Centre pilot project grant. For the Caudwell Xtreme Everest Hypoxia Research Consortium. £76,000

Books

Prout J, Jones T and **Martin D**. *Advanced Training in Anaesthesia: the essential curriculum*. Oxford University Press. March 2014. A 584 page comprehensive core text book for the Final FRCA exam which has become the standard text for trainees taking the exam.

Book chapters

Oxford Handbook of Critical Care Medicine: Pathophysiology & Management Related to High Altitude. *In press*.

Teaching

- Course Director: UCL PHOL3009 Space and Extreme environment medicine. And member of the undergraduate Physiology/Pharmacology Exam Board.
- Module Lead: UCL Medical School. 4th Year Perioperative Medicine, Royal Free Hospital

Signature

Date 04/08/2015

