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The effects of oxygen in critical illness

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LIST OF PUBLICATIONS

1. **Helmerhorst HJ**, Schouten LR, Wagenaar GT, Juffermans NP, Roelofs JJ, Schultz MJ, de Jonge E, van Westerloo DJ. Hyperoxia provokes a time- and dose-dependent inflammatory response in mechanically ventilated mice, irrespective of tidal volumes. *Intensive Care Medicine Experimental*. 2017 May;5(1):27.
2. de Wilde RB, **Helmerhorst HJ**, van Westerloo DJ. Cerebral blood flow velocity during chest compressions in cardiac arrest. *Netherlands Journal of Critical Care*. 2017 July;25(4):137-139.
3. **Helmerhorst HJ**, de Wilde RB, Lee DH, Palmen M, Jansen JR, van Westerloo DJ, de Jonge E. Hemodynamic effects of short-term hyperoxia after coronary artery bypass grafting. *Annals of Intensive Care*. 2017 Feb;7(1):20.
4. **Helmerhorst HJ**. Zuurstofsaturatie. *Nurse Academy*. 2017;1:58-62.
5. **Helmerhorst HJ**, Arts DL, Schultz MJ, van der Voort PH, Abu-Hanna A, de Jonge E, van Westerloo DJ. Metrics of Arterial Hyperoxia and Associated Outcomes in Critical Care. *Critical Care Medicine*. 2017 Feb;45(2):187-195.
6. **Helmerhorst HJ**, van Westerloo DJ, de Jonge E. The authors reply. *Critical Care Medicine*. 2016 Oct;44(10):e1016.
7. Schouten LR, **Helmerhorst HJ**, Wagenaar GT, Haltenhof T, Lutter R, Roelofs JJ, van Woensel JB, van Kaam AH, Bos AP, Schultz MJ, Walther T, Wösten-van Asperen RM. Age-Dependent Changes in the Pulmonary Renin-Angiotensin System Are Associated With Severity of Lung Injury in a Model of Acute Lung Injury in Rats. *Critical Care Medicine*. 2016 Dec;44(12):e1226-e1235.
8. **Helmerhorst HJ**, Schultz MJ, van der Voort PH, Bosman RJ, Juffermans NP, de Wilde RBP, van den Akker-van Marle ME, van Bodegom-Vos L, de Vries M, Eslami S, de Keizer NF, Abu-Hanna A, van Westerloo DJ, de Jonge E. Effectiveness and clinical outcomes of a two-step implementation of conservative oxygenation targets in critically ill patients: a before and after trial. *Critical Care Medicine*. 2016 Mar; 44(3):554-63.
9. **Helmerhorst HJ**, Roos-Blom M-J, van Westerloo DJ, de Jonge E. The authors reply. *Critical Care Medicine*. 2015 Oct;43(10):e465-6.
10. **Helmerhorst HJ**, Roos-Blom M-J, van Westerloo DJ, Abu-Hanna A, de Keizer NF, de Jonge E. Associations of arterial carbon dioxide and arterial oxygen concentrations with hospital mortality after resuscitation from cardiac arrest. *Critical Care*. 2015 Sep 29;19:34.
11. **Helmerhorst HJ**, Schultz MJ, van der Voort PH, de Jonge E, van Westerloo DJ. Bench-to-bedside review: the effects of hyperoxia during critical illness. *Critical Care*. 2015 Aug;19:284.

12. **Helmerhorst HJ**, Roos-Blom M-J, van Westerloo DJ, de Jonge E. Association between arterial hyperoxia and outcome in subsets of critical illness: a systematic review, meta-analysis and meta-regression of cohort studies. *Critical Care Medicine*. 2015 Jul;43(7):1508-1519.
13. **Helmerhorst HJ**, Schultz MJ, van der Voort PH, Bosman RJ, Juffermans NP, de Jonge E, van Westerloo DJ. Self-reported attitudes versus actual practice of oxygen therapy by ICU nurses and physicians. *Annals of Intensive Care*. 2014 Jul; 4:23.
14. van Westerloo DJ, **Helmerhorst HJ**. A little fat every day keeps the doctor away. *Critical Care Medicine*. 2013 Nov;41(11):2662-3.
15. **Helmerhorst HJ**, Brage S, Warren J, Besson H, Ekelund U. A systematic review of reliability and objective criterion-related validity of physical activity questionnaires. *International Journal of Behavioral Nutrition and Physical Activity*. 2012 Aug; 9:103.
16. **Helmerhorst HJ**, van Tol EN, Tuinman PR, de Vries PJ, Hartskeerl RA, Grobusch MP, Hovius JW. Severe pulmonary manifestation of leptospirosis. *Netherlands Journal of Medicine*. 2012 Jun;70(5):215-21.
17. **Helmerhorst HJ**, Wijndaele K, Brage S, Wareham NJ, Ekelund U. Objectively measured sedentary time may predict insulin resistance, independent of moderate and vigorous physical activity. *Diabetes*. 2009 Aug;58(8):1776-9.