

1. C. Puech, M. Badran, A. R. Runion, M. B. Barrow, K. Cataldo, D. Gozal, Cognitive Impairments, Neuroinflammation and Blood–Brain Barrier Permeability in Mice Exposed to Chronic Sleep Fragmentation during the Daylight Period. *Int J Mol Sci* 24, 9880 (2023).
2. C. Puech, M. Badran, M. B. Barrow, A. R. Runion, D. Gozal, Solriamfetol improves chronic sleep fragmentation-induced increases in sleep propensity and ameliorates explicit memory in male mice. *Sleep* 46, (2023).
3. M. Badran, C. Puech, A. Khalyfa, R. Cortese, K. Cataldo, Z. Qiao, D. Gozal, Senolytic-facilitated Reversal of End-Organ Dysfunction in a Murine Model of Obstructive Sleep Apnea. *Am J Respir Crit Care Med*, (2023).
4. M. Badran, C. Puech, M. B. Barrow, A. R. Runion, D. Gozal, Recovery Mimicking "Ideal" CPAP Adherence Does Not Improve Wakefulness or Cognition in Chronic Murine Models of OSA: Effect of Wake-Promoting Agents. *Arch Bronconeumol* 59, 805-812 (2023).
5. M. Badran, C. Puech, M. B. Barrow, A. R. Runion, D. Gozal, Solriamfetol enhances wakefulness and improves cognition and anxiety in a murine model of OSA. *Sleep Med* 107, 89-99 (2023).
6. M. Badran, A. Khalyfa, A. C. Ericsson, C. Puech, Z. McAdams, S. B. Bender, D. Gozal, Gut microbiota mediate vascular dysfunction in a murine model of sleep apnoea: effect of probiotics. *Eur Respir J* 61, (2023).
7. M. Badran, S. B. Bender, D. Gozal, Cardiovascular Disease in Obstructive Sleep Apnea: Putative Contributions of Mineralocorticoid Receptors. *Int J Mol Sci* 24, (2023).
8. C. Puech, M. Badran, A. R. Runion, M. B. Barrow, Z. Qiao, A. Khalyfa, D. Gozal, Explicit memory, anxiety and depressive like behavior in mice exposed to chronic intermittent hypoxia, sleep fragmentation, or both during the daylight period. *Neurobiol Sleep Circadian Rhythms* 13, 100084 (2022).
9. M. Badran, D. Gozal, PAI-1: A Major Player in the Vascular Dysfunction in Obstructive Sleep Apnea? *Int J Mol Sci* 23, (2022).
10. M. Badran, S. B. Bender, A. Khalyfa, J. Padilla, L. A. Martinez-Lemus, D. Gozal, Temporal changes in coronary artery function and flow velocity reserve in mice exposed to chronic intermittent hypoxia. *Sleep* 45, (2022).
11. M. Badran, B. Abuyassin, N. Ayas, D. D. Sin, I. Laher, Vascular and renal telomere shortening in mice exposed to chronic intermittent hypoxia. *Can J Physiol Pharmacol* 99, 1112-1113 (2021).
12. M. Badran, S. Mashaqi, D. Gozal, The gut microbiome as a target for adjuvant therapy in obstructive sleep apnea. *Expert Opin Ther Targets* 24, 1263-1282 (2020).
13. M. Badran, I. Laher, Waterpipe (shisha, hookah) smoking, oxidative stress and hidden disease potential. *Redox Biol* 34, 101455 (2020).
14. M. Badran, A. Khalyfa, A. Ericsson, D. Gozal, Fecal microbiota transplantation from mice exposed to chronic intermittent hypoxia elicits sleep disturbances in naive mice. *Exp Neurol* 334, 113439 (2020).

15. M. Badran, B. A. Yassin, D. T. S. Lin, M. S. Kobor, N. Ayas, I. Laher, Gestational intermittent hypoxia induces endothelial dysfunction, reduces perivascular adiponectin and causes epigenetic changes in adult male offspring. *J Physiol* 597, 5349-5364 (2019).
16. M. Badran, B. Abuyassin, S. Golbidi, N. Ayas, I. Laher, Alpha Lipoic Acid Improves Endothelial Function and Oxidative Stress in Mice Exposed to Chronic Intermittent Hypoxia. *Oxid Med Cell Longev* 2019, 4093018 (2019).
17. M. Badran, B. Abuyassin, N. Ayas, I. Laher, Intermittent hypoxia impairs uterine artery function in pregnant mice. *J Physiol* 597, 2639-2650 (2019).
18. B. Abuyassin, M. Badran, N. T. Ayas, I. Laher, The antioxidant alpha-lipoic acid attenuates intermittent hypoxia-related renal injury in a mouse model of sleep apnea. *Sleep* 42, (2019).
19. B. Abuyassin, M. Badran, N. T. Ayas, I. Laher, Intermittent hypoxia causes histological kidney damage and increases growth factor expression in a mouse model of obstructive sleep apnea. *PLoS One* 13, e0192084 (2018).
20. M. Badran, B. Abuyassin, S. Golbidi, N. Ayas, I. Laher, Uncoupling of Vascular Nitric Oxide Synthase Caused by Intermittent Hypoxia. *Oxid Med Cell Longev* 2016, 2354870 (2016).
21. M. Badran, B. A. Yassin, N. Fox, I. Laher, N. Ayas, Epidemiology of Sleep Disturbances and Cardiovascular Consequences. *Can J Cardiol* 31, 873-879 (2015).
22. M. Badran, S. Golbidi, N. Ayas, I. Laher, Nitric Oxide Bioavailability in Obstructive Sleep Apnea: Interplay of Asymmetric Dimethylarginine and Free Radicals. *Sleep Disord* 2015, 387801 (2015).
23. M. Badran, S. Golbidi, A. Devlin, N. Ayas, I. Laher, Chronic intermittent hypoxia causes endothelial dysfunction in a mouse model of diet-induced obesity. *Sleep Med* 15, 596-602 (2014).
24. M. Badran, N. Ayas, I. Laher, Cardiovascular complications of sleep apnea: role of oxidative stress. *Oxid Med Cell Longev* 2014, 985258 (2014).
25. M. Badran, N. Ayas, I. Laher, Insights into obstructive sleep apnea research. *Sleep Med* 15, 485-495 (2014).
26. S. Golbidi, M. Badran, I. Laher, Antioxidant and anti-inflammatory effects of exercise in diabetic patients. *Exp Diabetes Res* 2012, 941868 (2012).
27. S. Golbidi, M. Badran, N. Ayas, I. Laher, Cardiovascular consequences of sleep apnea. *Lung* 190, 113-132 (2012).
28. M. Badran, I. Laher, Type II Diabetes Mellitus in Arabic-Speaking Countries. *Int J Endocrinol* 2012, 902873 (2012).
29. S. Golbidi, M. Badran, I. Laher, Diabetes and alpha lipoic Acid. *Front Pharmacol* 2, 69 (2011).
30. M. Badran, I. Laher, Obesity in arabic-speaking countries. *J Obes* 2011, 686430 (2011).