

Oxygen metabolic competition in the lactic acidotic diabetic kidney: A point of no return? - DTU Orbit (09/11/2017)

Oxygen metabolic competition in the lactic acidotic diabetic kidney: A point of no return?

Diabetic nephropathy is directly related to renal hypoxia, with an increased mitochondrial uncoupling and increased energy demand to maintain normal renal function. Lowering the oxygen content in inspired air has shown to worsen the prognostic outcome of diabetic patients independent of glycemic control. We therefore tested the hypothesis that acutely altered renal oxygen availability alters metabolic pathways related to cellular energy production.

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