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Ascorbic acid prolongs the viability and stability of isolated perfused lungs: A mechanistic study using ³¹P and hyperpolarized ¹³C NMR

Hoora Shaghaghi, Stephen Kadlecek, Sarmad Siddiqui, Mehrdad Pourfathi, Hooman Hamedani, Justin Clapp, Harrilla Profka, Rahim Rizi



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ACCEPTED MANUSCRIPT

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Justin Clapp, Harrilla Profka, and Rahim Rizi*

USC

Department of Radiology, University of Pennsylvania, Philadelphia, PA, United States

*Author to whom correspondence should be addressed: Rahim.Rizi@uphs.upenn.edu

Running head: ascorbic acid effect on isolated perfused lung metabolism Keywords: Ex-vivo lung perfusion, Ischemia/reperfusion, ascorbic acid, Energy charge, Hyperpolarized, Oxidative phosphorylation, Metabolism, ¹³C NMR, ³¹P NMR

Abbreviation

Accel

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