

Perfusion imaging under hypercapnia: single echo pCASL vs. dual echo pCASL

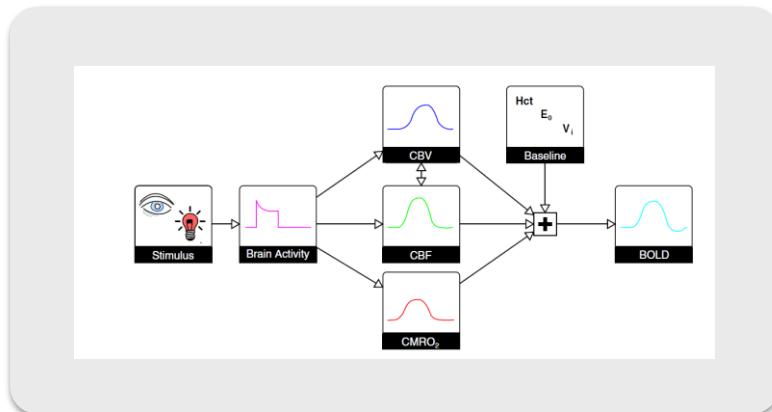
Gabriel Hoffmann^{1,*}, Jan Kufer¹, Lena Schmitzer¹, Claus Zimmer¹, Christine Preibisch^{1,2}, Stephan Kaczmarz^{1,3}

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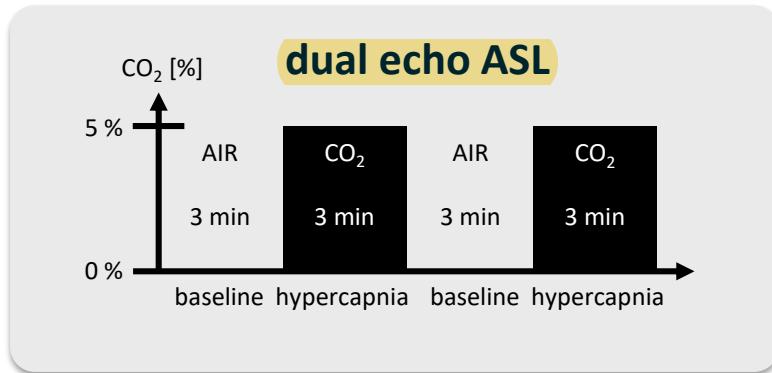


¹Technical University of Munich (TUM), School of Medicine, Department of Neuroradiology, Munich, Germany, ²TUM, School of Medicine, Clinic for Neurology, Munich, Germany, ³MRRC, Yale University, New Haven, CT, United States

dual echo ASL for fMRI



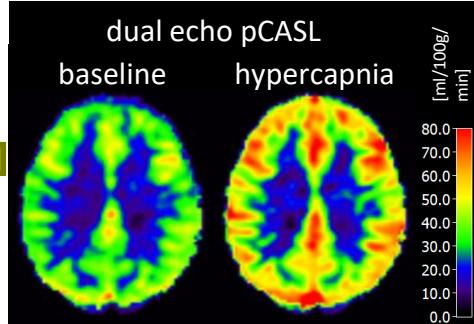
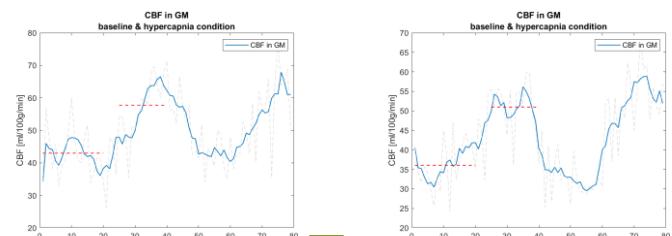
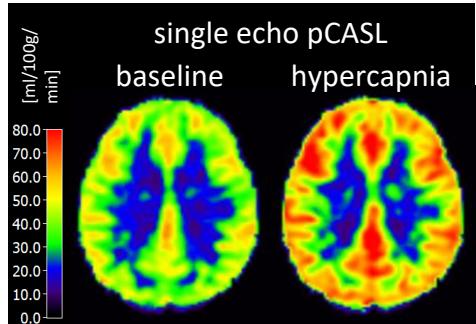
hypercapnia calibration



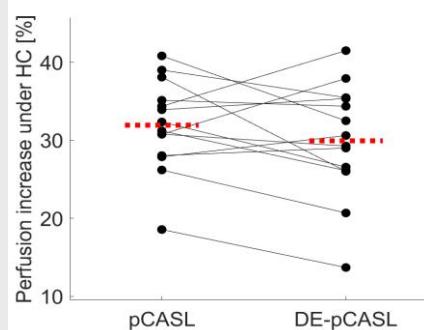
CBF & BOLD changes

single echo pCASL vs. de-pCASL

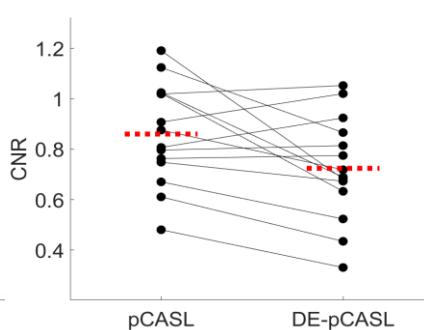
Evaluation of single vs. dual echo ASL



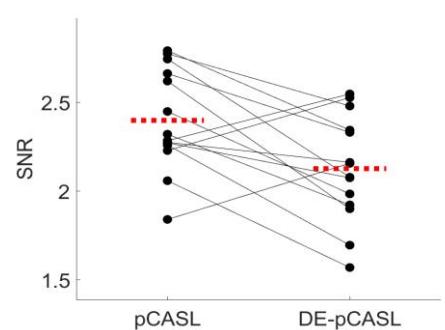
A Perfusion increase



B CNR



C SNR



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