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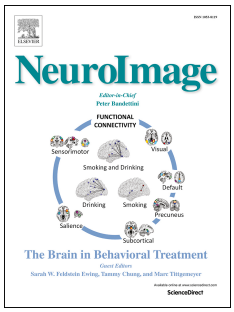

Functional MRS with J-edited lactate in human motor cortex at 4☐T

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Functional MRS with J-edited lactate in human motor cortex at 4 Tesla

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Keywords: aerobic glycolysis | energy metabolism | functional MRS | lactate | β-hydroxybutyrate | glutamate-glutamine cycling | neuroimaging | oxidative phosphorylation | finger tapping | motor cortex

Running Title: J-edited lactate change in human motor cortex

Highlights: fMRS feasibility with long echo-time J-edited ^{1}H-MRS of lactate

lactate increase in the human motor cortex with finger-tapping

fMRS feasibility in the human motor cortex at 4 Tesla

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