

Interactive comment on “Transferring principles of solid-state and Laplace NMR to the field of *in vivo* brain MRI” by João P. de Almeida Martins et al.

João P. de Almeida Martins et al.

joao.martins@fkem1.lu.se

Received and published: 16 February 2020

Dear Prof. Barth,

Please find attached a revised version of our manuscript "Transferring principles of solid-state and Laplace NMR to the field of *in vivo* brain MRI". We are grateful for the insightful comments of the referees. While both referees laud the content of the manuscript, they also presented some comments. In the revised manuscript, we included additional acquisition details and expanded the Discussion and Conclusion sections in order to reply to the questions from both referees. We also included data originally presented as supplemental material to address a comment from Referee 2. We believe that this work is now ready for publication. The detailed responses to both

C1

reviewers can be found in the supplementary document. The referee comments are shown in full in italics. Our responses and changes are preceded with "Response:" and "Changes:", respectively.

Sincerely,

João P. de Almeida Martins on behalf of all authors

Please also note the supplement to this comment:

<https://www.magn-reson-discuss.net/mr-2019-1/mr-2019-1-AC1-supplement.pdf>

Interactive comment on Magn. Reson. Discuss., <https://doi.org/10.5194/mr-2019-1>, 2019.