

February 27, 2022

Dear editor,

Please find attached files of revised manuscript in word format

Title: Diagnostic value of 3DASL and DKI in evaluating perfusion and infarct area size in acute cerebral ischemia

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Name of Journal: World Journal of Clinical Cases

Manuscript NO: 72705

First of all, thank you for your careful guidance of this article. Revision has been made according to the suggestions of the reviewer:

Reviewer: 06086585

Authors proved that 3DASL and DKI has important diagnostic value in evaluating perfusion and infarct area size in patients with acute cerebral ischemia. The difference in DKI parameters between the focal and control areas in patients with acute ischemic cerebral infarction is significant, and 3DASL can effectively determine the changes in perfusion levels in the lesion area, which is important for the diagnosis of infarction. Overall, the study is very well designed and the results are very interesting. The sample size is enough and methods are very clear. Discussion is good. I have a minor comment, the Figure 4 needs to be clearly described in the text.

Reviewer: 06086664

The topic of this work is interesting. MRI has important advantages in the diagnosis of central nervous system diseases due to its high soft tissue resolution. 3DASL can accurately evaluate CBF, DKI is a clinical imaging method used to describe the non-Gaussian diffusion of water molecules in tissues; it can accurately reflect the complexity and heterogeneity of neural tissue microstructure by quantifying the diffusion characteristics of water molecules. The manuscript is focused on investigate the diagnostic value of magnetic resonance multi-delay 3DASL and DKI in evaluating the perfusion and infarct area size in patients with acute cerebral ischemia. The design of the study is very good. The results are excellent. Their conclusion might

provide additional information for the accurate diagnosis of cerebral infarction. The manuscript is well written and well organized, and I recommend accepting this manuscript for publication after a minor language editing. Sincerely
Thank you for your advice.

After receiving the comments, we read the article carefully and found some small loopholes in the language of the article and describe Figure 4 more clearly in the text.

Thank you again for publishing our manuscript in the World Journal of Clinical Cases.

Sincerely Yours,

Min Zuo