

OPEN PEER REVIEW REPORT 1

Name of journal: Neural Regeneration Research

Manuscript NO: NRR-D-19-00421

Title: Vascular Dysfunction in Alzheimer's Disease – a Biomarker of Disease Progression and a Potential Therapeutic Target

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Date sent for review: 2019-08-01

COMMENTS TO AUTHORS

This is a nicely written short overview about the putative implication of brain vasculature for the development and/ further progression of Alzheimer's disease.

Two minor points:

1. The authors write " Vascular cells also contribute directly to A β catabolism, with A β -degrading enzymes like neprilysin being expressed by the endothelium." I strongly suggest to also mention another important A β -degrading Enzyme in this context, namely insulin degrading enzyme.
2. What about vascular ATP-binding cassette transporters? There is compelling evidence that at least one of them, ABCB1, is prominently involved in AD pathology.