

Format for ANSWERING REVIEWERS

February 11, 2015

Dear Editor,

Please find enclosed the edited manuscript in Word format (file name: 16451-review.doc).

Title: Mavridis' atrophy in Parkinson's disease-five years later: future perspectives

Author: Ioannis N. Mavridis, Efstratios-Stylianos Pyrgelis

Name of Journal: *World Journal of Neurology*

ESPS Manuscript NO: 16451

The manuscript has been improved according to the suggestions of reviewers:

Reviewer 1

This editorial "Mavridis' atrophy in Parkinson's disease-five years later: future perspectives" is very good and worth to read for both clinical and basic researchers. It is suitable for publish in World Journal of Neurology.

The core tip is that Mavridis' atrophy (MA) begins in early-stage Parkinson's disease (PD) patients and is correlated with psychiatric and cognitive PD symptoms.

We would like to thank the Reviewer for finding our editorial suitable for publication in the World Journal of Neurology.

Reviewer 2

This is, in summary, an interesting editorial aimed to discuss the future perspectives of Mavridis' atrophy (MA) as a pathological and imaging finding.

The authors stated that MA is mainly correlated with apathy, impulsive behavior, and cognitive symptoms occurring in Parkinson's disease. Interestingly, the authors stated that MA could be a risk factor for the expression and/or severity of specific symptoms of Parkinson's disease. However, they also reported that whether the severity of MA affects the severity of specific psychiatric symptoms in individuals with Parkinson's disease is still a matter of debate.

The editorial is generally well-written as presented. The authors may find as follows my main comments/suggestion.

We would like to thank the Reviewer for finding our editorial interesting and well written.

First, when the authors reported that the presence of Lewy bodies has been also found in some cases of atypical parkinsonism and other disorders, they could add more details concerning this topic. Here, which are, in detail, the parkinsonism as well as the other disorders in which it's possible to find the presence of Lewy bodies according to their opinion could be specified.

We would like to thank the Reviewer for their comment. We added more details concerning this topic.



Another point could be further developed. When the authors stated that: “advances in structural imaging are complemented by findings of magnetic resonance spectroscopy on brain metabolism and resting-state functional MRI on functional connectivity (Lehéricy et al., 2012)”, I suggest to add more details/information concerning how alterations of functional connectivity may really complement structural imaging findings about the main theme.

We would like to thank the Reviewer for their comment. We added more details concerning this topic.

Finally, whether MA is associated with motor Parkinson's disease symptoms according to the authors' point of view, they should also specify which type of motor symptoms are linked to MA and whether the early identification of MA using neuroimaging techniques may serve to prevent the disability associated with Parkinson's disease.

We would like to thank the Reviewer again for their comments. We enriched our text discussing the suggested points.

Thank you again for publishing our manuscript in the *World Journal of Neurology*.

Sincerely yours,



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