Reviewer’s report

Title: Hypogelsolinemia, a disorder of the extracellular actin scavenger system, in patients with multiple sclerosis

Version: 2 Date: 23 June 2010

Reviewer: Eva M Carro

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About Kulakowska´s study suggest major revisions:
Because, GSN and DPB concentrations in CSF did not significantly differ between those two groups, the sentence “average CSF gelsolin concentrations in MS were lower (2.9±1.8 versus 4.0±1.7 µg/ml) and DPB levels were higher (1.6±0.9 versus 1.4±0.8 µg/ml) compared to the control group” must be remove from the abstract.

24 CSF samples from MS disorder? And how many controls? Age, sex of patients? Are both groups matched on age and sex?

24 CSF samples and how many blood samples, 56 samples from MS? And how many controls?

The author may include recent data about depletion on geloslin levels in CSF from Alzheimer’s disease patients (Antequera et al, Neurobiol Dis. 2009 Oct;36(1):42-50.)

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests