Reviewer's report

Title: Divergent cerebrospinal fluid cytokine network induced by non-viral and different viral infections on the central nervous system.

Version: 2
Date: 8 May 2015

Reviewer: Rodrigo Hasbun

Reviewer's report:

Major revisions:
1) The abstract needs to be revised substantially. The statement that virus-associated and non-infectious meningoencephalitis are not treatable is not correct. There is treatment for Herpes simplex, Varicella zoster, CMV and for autoimmune encephalitis (NMDA receptor, ADEM, etc). I would clarify. The results section do not state how many patients were studied, how many had the different viruses. The results in the abstracts are not followed by P values.
2) Sentence in lines 73-75 is awkward and needs to be rewritten and clarified.
3) Sentences 98-102 regarding the use of biomarkers is unclear and not referenced.
4) Line 135, what is ROCV
5) The results do not mention how many patients were diagnosed with the different viral infections
6) There are several typos throughtout the manuscripts and mistakes (e.g.. line 161, meningitis is not capitalized, line 217 "bellow" should be below , change "segregate" to differentiate in line 219, add "and" between mumps and echovirus in line 298-299, line 531 "virus negative" should be "virus positive"
7) the manuscript and figures should be revised for clarity.

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

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

none