Reviewer's report

Title: Leukocyte-derived microparticles and scanning electron microscopic structures in two fractions of fresh cerebrospinal fluid in amyotrophic lateral sclerosis; a case report

Version: 1 Date: 12 May 2012

Reviewer: Joanna Ilzecka

Which of the following best describes what type of case report this is?: Findings that shed new light on the possible pathogenesis of a disease or an adverse effect

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is the case report ethical?: No

Is there any missing information that you think must be added before publication?: Yes

Is this case worth reporting?: No

Is the case report persuasive?: No

Does the case report have explanatory value?: No

Does the case report have diagnostic value?: No

Will the case report make a difference to clinical practice?: No

Is the anonymity of the patient protected?: Yes

Comments to authors:

The results presented in the study entitled „Leukocyte-derived microparticles and scanning electron microscopic structures in two fractions of fresh cerebrospinal fluid in amyotrophic lateral sclerosis; a case report” are interesting. However, I do have some major concerns about the description of this case study:

1. The description of just one patients case is not enough for drawing any kind of conclusion in comparison to the control group. It is advised to examine more cases of patients with SLA.
2. The description of the patient’s neurological examination does not indicate the
clinical probable or clinical definite of the disease being present. There seen to be only an indication of the possible progressive muscular atrophy, or some other possible ailment. Faced with the lack of certainly as far as ALS is concerned, the examination result is also open to doubt.

3. There is also no mention whether the Bioethical Committee agreed for this kind of study. This pertains, especially, to the lumbar puncture in healthy persons.

4. It is advised to include more bibliographical sources as well.

**Quality of written English:** Acceptable