Reviewer's report

Title: Functional characterization of the complement receptor type 1 and its circulating ligands in patients with schizophrenia

Version: 1 Date: 25 July 2011

Reviewer: Hans-Gert Bernstein

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Arakelyan and colleagues report that in schizophrenia increased C1q-CIC levels and CR1 expression on blood cells, elevated number of CR1 positive erythrocytes, but reduced number of CR1 positive lymphocytes may be found. Genetic influences on the expression of these parameters are also investigated. These results are of potential interest for our understanding of immunological/inflammatory aspects of schizophrenia.

Concerns:

1. All schizophrenia patients were medicated. It is, however, not indicated, which medication they received (typicals, atypicals). Please write precisely, what medication was given (including other drugs, not related to schizophrenia).

2. Were the schizophrenia patients heavy smokers? (I suppose, yes). Does nicotine influence any of the parameters?

3. Please improve your English (style, grammar) and remove nonsense sentences. (CONCLUSIONS: Our study for the first time indicated that schizophrenia is associated with the Our results indicated etc…).

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