Reviewer’s report

Title: A proteomic analysis of serum-derived exosomes in rheumatoid arthritis

Version: 0 Date: 17 Jun 2018

Reviewer: Gyorgy Nagy

Reviewer’s report:

The authors investigated the protein profiles of serum exosomes of patients with RA. Exosomal proteins were separated by 2-D gel electrophoresis and identified by mass spectrometry.

Patients with active RA have characteristic exosome protein profile (e.g. increased TLR3 expression). This is largely descriptive study with some interesting new observations.

Major point:

It would be essential to confirm the increased expression of TLR3 of RA exosomes by Western blot.

Minor points:

The introduction is too long and diffuse.

The references are not up-to-date, many important recent (from 2016-18) original papers were not cited.

The manuscript needs English language editing by a native speaker.

Are the methods appropriate and well described? 
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls? 
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown? 
If not, please explain in your comments to the authors.

Yes
Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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