Reviewer’s report

Title: Increased circulating chemerin in patients with advanced carotid stenosis

Version: 0 Date: 23 Jan 2018

Reviewer: Mohamed Mohamed Rahouma Ahmed

Reviewer’s report:

I would like to thank the author for their great work but I have some concerns before accepting this work

Major points;

In Figure 1F; It is hard to me to believe that this ROC P value is 0.007 and if so please determine certain cut-off and identify sensitivity, specificity for that.

Minor points;

* Page 4, Line 5; "Patients, who were submitted for carotid endarterectomy (CEA) to the Clinic for Visceral, Transplant, Thoracic and Vascular Surgery, Leipzig University, were recruited without any inclusion or exclusion criteria." Did you get IRB approval for this study , if so, please provide No. for that.

* Page 5, Line 5; for Statistics section; please write the Uses for each test and also provide some details about Kolmogorov-Smirnov test.

* Page 6, Line 9; It is known that LDL is opposite to HDL, if you can comment in discussion how chemerin was high with both if you have any explanation!!?

* Page 6, Line 13; please add P values " HbA1c and fasting glucose did not differ between both groups."

* Table 1; Please write the meaning of the abbreviation just below the table eg ACI, T2DM , nd.

* Table 3;

A)Please write a note (below the table) to the reader for interpretation of Beta value,

B) Why you called this multivariate rather than univariate logistic regression

* Please write the statistical test used to get p value in figure 1A
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:

Acceptable

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