Reviewer's report

Title: Association between erythrocyte Na+K+-ATPase activity and some blood lipids Type 1 diabetic patients from Lagos, Nigeria.

Version: 2 Date: 25 May 2007

Reviewer: Thierry Coste

Reviewer's report:

Minor Revisions

1/ Please add “in” between “lipids” and “Type 1” in the title.
2/ In Abstract, please correct the numbers to (0.38 ± 0.08 vs. 0.59 ± 0.07 ?M Pi/mg protein/h). Delete the percentage differences (52.5 vs. 64.4 – 71.2%), as it is misleading because there are not reductions in Na+ K+-ATPase activity from controls (in reference to the term of “reduction” along the sentence). Change “HDL-C association was found” to “HDL-C association were found”. Use “–” instead of “-” between numbers 0.427 and 0.489 in brackets.
3/ In Introduction:
   - Second paragraph, “transmembrane” instead of “transmembrane”. “and” seems more appropriate than “but” in the second sentence.
   - Third paragraph, please consider this revised sentence “Numerous experimental studies conducted in streptozotocin-induced diabetic rats show that for instance, the delayed motor nerve conduction velocity, decreased nerve blood flow, degeneration of peripheral nerves, persistent hyperglycemia and other metabolic aberrations involve decrease nerve membrane Na+K+-ATPase”. Next sentence, change “p” to “P” in the “ATpase” word. Change “triacylglyceride” to “triglycerides” used latter throughout in the text.
   - Fifth paragraph, “for a better understanding” instead of “for improved understanding” in order to avoid repetition in the sentence.
4/ In Materials and Methods, OK for the corrections for Na+K+-ATPase activity assays.
5/ In Results, regarding the use of international units for biological analyses, if policy of the journal permits the use of old units, there is no problems.
6/ In Discussion:
   - Page 13, “may also be due” instead of “may also due”. “in diabetic patients” instead of “in diabetes patients”.
   - Page 15, “type 2 diabetic patients” instead of “NIDDM patients”.

What next?: Accept without revision

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

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests