Dear Madam, dear Sir,

You will find below the answers to your comments regarding our manuscript (ID: cosmetics-206358 - Major Revisions) “Improving skin hydration and age-related symptoms by oral administration of wheat glucosylceramides and digalactosyl diglycerides: a human clinical study” by Valérie Bizot, Enza Cestone, Angela Michelotti and Vincenzo Nobile.

- **Regarding the general presentation of the manuscript:**
  For reasons of readability and clarity the general modification made on the manuscript do not appears in track changes.
  - Results presentation was modified and, for clarity reasons, are now only presented in form of tables. Tables outline the intra and inter group differences at D0 and D15, D30 and D60.
  - Requested additional references were provided and as a result bibliography section was also modified.

- **Regarding the specific enquiries:**

<table>
<thead>
<tr>
<th>REVIEWER Comments</th>
<th>EPI FRANCE Answers</th>
<th>Reference in the revised version of the manuscript</th>
</tr>
</thead>
<tbody>
<tr>
<td>It is therefore a bit regrettble that in this present study two capsules with too closely related composition were investigated side by side.</td>
<td>Both forms were tested because within food law regulation, if we would like to submit a health claim application the ingredients have to be fully characterized and clinical data have to be available for each form.</td>
<td>Not applicable</td>
</tr>
<tr>
<td>If possible, a future study protocol should try to include measuring and quantifying the amount of ceramides in the skin, on D0 and on D60. Would we see an increase to further strengthen the argument that the orally taken ceramides do help the</td>
<td>Thank you for your comment; we will take into account this advice for our future clinical study design.</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
skin to make more on its own?

The paper contains 11 tables and 7 figures [...] Too many stars and not enough connectors...

As explained in the previous section Regarding the general presentation of the manuscript the result section of the manuscript was entirely modified

On page 2 there is mention of a reference [11], but there are two references [10] in the bibliography.

As explained in the previous section Regarding the general presentation of the manuscript the reference section of the manuscript was updated

Comments in “discussion” section

In the last paragraph of the Discussion (line 398) I object to the term "anti-ageing" effects; the term is popular in a commercial context, but scientifically it has no sufficiently precise meaning. I suggest to write "to correlate the demonstrated improvements in age related symptoms such as skin hydration, elasticity and smoothness with the single parameter..."

We proposed the following modified sentence:
“Taking all these observations and the present study data into account, it appears reasonable to correlate the demonstrated improvements in age-related symptoms such as skin hydration, elasticity and smoothness with the single-parameter of WPLC supplementation in this human clinical trial.”

I remain at your entire disposal for any additional questions and I am wishing you a good reception.

Looking forward for your answer,

Yours faithfully,

Valérie BIZOT- Ph,D Biochemistry