Reviewer’s report

Title: The influence of prenatal exposure to trans-fatty acids for development of childhood haematopoietic neoplasms (EnTrance): a natural societal experiment and a case-control study

Version: 0 Date: 20 Aug 2017

Reviewer: Matias Noll

Reviewer’s report:

Dear Authors,

This study aims to bring new knowledge as to whether trans-fat and other fatty acids may also increase the risk of developing haematopoietic neoplasms during childhood. The manuscript addresses an interesting topic and represents a well done conducted study protocol. The authors intend to improve the quality, integrity and transparency of the study.

Background)

In general, background should be synthesized. Some non-essential information may be removed.

Page 3, Lines 5-7: Please, consider to include some prevalence of childhood cancer (How rare is it?).

Page 3, Lines 15-51: Second paragraph should be shorter. The sentence "Alarmingly, childhood cancer incidence rates in Europe are rising with an overall average annual incidence increase of around 1% [6" could be located in the previous paragraph.

Page 4: The paragraph "Evidence of adverse…" should be shorter.

Page 4, Lines 18-19: "Guidance to minimize… …infarction of 23%" is an important sentence. Please, include a reference to this information.

Page 4, Line 35: I recommend to start a new paragraph "A case-control…" to improve the scientific writing.

Hypotheses and objectives)

This section should be rewrite. Please, write more clearly the hypotheses and the two objectives of your study protocol. Several information may be removed and/or replaced to the end of the Background.

Methods)

Page 9, Power Calculation: Please, include the formula used and/or the reference.
Discussion)

Paragraphs with only one sentence are not indicated in good scientific writing. Please, rewrite these paragraphs.

**Level of interest**
Please indicate how interesting you found the manuscript:

An exceptional article

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

Acceptable

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