Reviewer’s report

Title: Ketoacidosis due to low-carb diet in a non-diabetic lactating female: A case report.

Version: 2 Date: 7 July 2015

Reviewer: Satoru Yamada

Which of the following best describes what type of case report this is?: An unexpected event in the course of observing or treating a patient

Do you believe the case report is authentic?:

No. In this paper, authors reported a case who suffered from ketoacidosis during lactating period. But Severe LCHF diet can occur ketoacidosis with or without lactation (N Engl J Med 2006, 354, 97-98) (Lancet 2006, 367, 958). Furthermore, people with some kinds of mild genetic failure concerning ketone utilization can occur ketoacidosis during carbohydrate restriction (SCOT; J Clin Invest 1972, 51, 493-498) (ACAT1; Pediatr Res 1973, 7, 149-160) (MCT1; N Engl J Med 2014, 371, 1900-1907). If authors emphasize lactation is a trigger of ketoacidosis in this case, they should show (1) amount of carbohydrate intake of this case and (2) genetic background concerning ketone utilization.

Although I cannot read French, there is a case report of ketoacidosis during lactation. Please refer it (Monnier D, et al. Starvation ketosis in a breastfeeding woman. Rev Med Interne 2015, Epub Apr 22)

Do you have any ethical concerns?:

no problem

Is the Abstract representative of the case presented?:

Yes.

Does the Introduction explain the relevance of the case to the medical literature?:

Yes

Does the article report relevant patient information?: Yes

Does the article report relevant physical examination findings?: Yes

Does the article report important dates and times in this case?: Yes
Does the article report the diagnostic assessments?: Yes
Does the article report the types of intervention?: Yes
Does the article report a summary of the clinical course of all follow-up visits?: Yes
If any information is missing from the reporting, please detail it here.:
Carbohydrate intake and genetic background seem important.
Is the interpretation (discussion and conclusion) well balanced and supported by the case presented?:
so so.
Does the case represent a useful contribution to the medical literature?:
so so.
Was written informed consent to publish this case obtained?: No
Is the anonymity of the patient protected?:
yes
Additional comments to authors:
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Level of interest: An article of importance in its field
Quality of written English: Acceptable
Declaration of competing interests:
Noting to declare