Reviewer’s report

Title: Water intake and intra-meal fluid consumption in relation to general and abdominal obesity of Iranian adults

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Reviewer: Miloslav Hronek

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The article brings interesting new results of fluid and water intakes and odds of obesity in the Iranian population. According my opinion the results of this article are misinterpreted especially use of term association „association between taking more than eight glasses of water in a day and odds of general obesity etc". More correct is that „We observed populations with taking more than eight glasses of water in a day and consuming 1-2 glasses of fluids between meals had higher odds ratio of general obesity. Term association is used for explanation of correlation between variables. In this study was not described application of correlation analyse. Term association here creates the impression that water intake can contribute to the development of obesity. Is it true? According line 148-150 was deference between two populations with different water intakes only 4,3 %. Further according BMI in table 2 population with intake more than 8 glasses in arithmetical mean was not obese. In addition to correctly used binary logistics analysis it is necessary to make correlation analyses for explanation possible associations of results between nutritional energy with substrates intakes and: *water intakes *fluid intakes *weight *BMI *WC. I assume that associations will not be demonstrated by correlation analyse. Title: *To correct the title of the article as described above and add ... "of Iranian adults." Abstract: Line 7-8 better formulation, repeated words in both sentences Results: Line 139-145 no statistical basis for the stated differences claims (t-test required) Discussion. *to discuss whether caloric food intake was related to water and fluid intake, with BMI, greater body surface area and the need for cooling in obese with larger body surface area, with greater production of digestive juices in the digestive tract etc. P value is correctly written in italics.

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