Reviewer's report

**Title:** Nutrition transition among adolescents of a south-Mediterranean country: dietary patterns, association with socioeconomic factors, overweight and blood pressure. A cross-sectional study in Tunisia.

**Version:** 3  **Date:** 19 February 2011

**Reviewer:** Hélène Delisle

**Reviewer's report:**

The manuscript has improved considerably, and the authors have to be commended for this. In addition to three essential minor corrections in the abstract, however, there is still one previous comment which was not adequately addressed regarding the use of the DQI-I. Contrary to authors' reply, the DQI-I, even if used in China, is based on the American recommended intakes, unless we are mistaken. Other diet quality indices or scores have been developed for international use, based on FAO/WHO dietary guidelines and recommended intakes. We strongly recommend that this be addressed in the discussion, including reference to indices developed, for instance, in West Africa, notably work by Sodjinou et al, and Ntandou et al in Benin. Indices do not have to be designed only for adolescents to be applicable to this age group.

**Abstract:**

1. Insert 'was' between 'dietary intake' and 'assessed'(Methods section)
2. Decreasing relationship OF WHAT with total fat ? (line 19)
3. Last line: nutrients ASSOCIATED WITH LOWER RISK...

**Level of interest:** An article of importance in its field

**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