Reviewer's report

Title: Oxidative stress as a risk factor for osteoporosis in Mexican elderly

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Reviewer: S Basu

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This study deals on the role of oxidative stress in bone mineral density and osteoporosis. The study has been performed in 50 healthy and 44 osteoporosis patients of Mexican origin of age about 60. This is an interesting study in a special group of subjects with a good outcome. The authors have shown that GPx antioxidant capacity was significantly lower in the group of subjects with osteoporosis with compare to the healthy subjects. In addition in regression analysis they have also found that oxidative stress could be an independent risk factor for osteoporosis. The study is well performed and written. However, the paper would be more stronger if the authors include a valid marker of in vivo oxidative stress namely, F2-isoprostanes in plasma or more preferably in urine.

The only comments that I have are specified below:

1) The title should be changed to: Oxidative stress as a risk factor for osteoporosis in elderly Mexican as characterized by antioxidant enzymes

2) The manuscript needs an English language revision