Reviewer's report

Title: Bone management in patients with prostate cancer: Hormonal therapy leads to increase the FRAX score

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Reviewer: Daniel Galvao

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Bone management in patients with prostate cancer: Hormonal therapy leads to increase the FRAX score

This is a large and interesting cohort study examining the impact of prostate cancer treatment modalities on risk of skeletal fractures using FRAX in men treated at a single Institution in Japan.

Strengths of the paper includes: number of patients involved and use of a well established tool to assess risk of fractures that has not been extensively used or reported in men with prostate cancer.

Points for consideration:

1) Can the authors better elaborate why DXA data was not used in the actual FRAX scores?

2) Can the authors describe in the intro or methods the cut off point for clinical significant for the FRAX scores? This will make it easier for those not familiar with the actual scores to interpret FRAX.

3) Were the measures undertaken at one time point as a cross section study or a prospective observational study? Please add study design to the methods so easier to follow.

4) Correlations between ADT time and major osteoporotic fractures were significant but relatively small (example: R=0.141). Can the authors comment on these values and add a sentence to the discussion?

5) Discussion: The first paragraph is very similar to the last paragraph of the introduction (example: description of FRAX). Suggest this section can be shortened so authors can discuss their actual results main finding upfront in the discussion.

6) Line 221/222. Briefly provide examples of fracture prevention in ADT treated patients. For instance weight bearing resistance exercise and other strategies.

7) Ethnicity is used in the intro and racial differences in the discussion. Better to use one term (Ethnicity) for consistency throughout the manuscript.
8) Conclusion: suggest only describing main results. For example: Large study where ADT have influenced FRAX scores.

**Level of interest:** An article whose findings are important to those with closely related research interests

**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