Reviewer's report

Title: Fracture risk in long term care: A systematic review and meta-analysis of prospective observational studies

Version: 3 Date: 1 August 2014

Reviewer: Ding-Cheng Chan

Reviewer's report:

• Major Compulsory Revisions
1) The authors mentioned Qfracture in the background section. Several risk factors that the author reviewed including, fall, cognitive impairment (dementia), psychotropics (anti-depressant) use were already used in Qfracture. Maybe Qfracture is a better instrument to assess fracture risk for LTC resident? I will suggest the authors have some discussions on Qfracture either at background or discussion section.
2) The category of psychotropics include 3 distinct classes of medications. Combinations of them into a category may be problematic.
3) page 12, study 41. Median BMD 0.296 g/cm² is a very low number. Please make sure this is a correct number

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

no