Reviewer’s report

Title: KIDNEY FUNCTION AND NEPHROTOXIC DRUG USE AMONG OLDER HOMEDWELLING PERSONS WITH OR WITHOUT DIABETES IN FINLAND

Version: 0 Date: 07 Nov 2019

Reviewer: Masa Knehtl

Reviewer's report:

Heinjoki M and co-workers presented interesting study comparing kidney function and potentially nephrotoxic drug use among older home-dwelling persons with or without diabetes.

The cross-sectional study, conducted in one primary care district, included 363 subjects. The authors used mostly appropriate methodology, correctly stressed the limitations of their study and found some interesting results and added some novelty to the knowledge in this field.

However, some minor comments have been raised:

- It is not clear from the abstract how many participants were actually included in the study. After a random selection of 259 persons with diabetes AND 259 persons without diabetes, complete data was gathered for 187 persons with diabetes and 176 without diabetes, so totally 363 participants were included.

- The methodology of the study population is not clearly represented in Figure1; two age and gender matching controls were suppose to be selected for each person diagnosed with diabetes, which is not clear from figure 1.

- Figure 2: if the eGFR was calculated by using CKD EPI equation, it should be expressed as ml/min/1,73m2
-Since the results have shown that persons with diabetes had a higher body mass index and a larger waist than non-diabetics, this difference should be considered when evaluating renal function. I suggest using Cockcroft-Gault equation to assess renal function, which includes participant's weight as well.

The presented article may be accepted after minor revision.

Thank you for the opportunity to review this manuscript.

Yours sincerely.

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