Additional file 3: Summary of findings for ARB versus ACEI (SR1.2.) in PD patients

| **Summary of findings:**  |
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| **ARB compared to ACEI for peritoneal dialysis patients (SR1.2.)** |
| **Patient or population**: peritoneal dialysis patients **Setting**: **Intervention**: ARB **Comparison**: ACEI  |
| Outcomes | **Anticipated absolute effects\*** (95% CI) | Relative effect(95% CI)  | № of participants (studies)  | Certainty of the evidence(GRADE)  | Comments |
| **Risk with ACEI** | **Risk with ARB** |
| GFR  | The mean GFR was **0**  | The mean GFR in the intervention group was 0.18 higher (0.04 lower to 0.4 higher)  | -  | 60(1 RCT)  | ⨁⨁◯◯LOW a,b,c | There might be no difference between ARB and ACEI on the preservation of GFR in PD patients. |
| Urine volume  | The mean urine volume was **0**  | The mean urine volume in the intervention group was 145 higher (8.35 lower to 298.35 higher)  | -  | 60(1 RCT)  | ⨁⨁◯◯LOW a,b | There might be no difference between ARB and ACEI on the preservation of urine volume in PD patients. |
| Anuria rate  | 367 per 1,000  | **400 per 1,000**(209 to 759)  | **RR 1.09**(0.57 to 2.07)  | 60(1 RCT)  | ⨁⨁◯◯LOW a,b,c | There might be no difference between ARB and ACEI on the risk of anuria in PD patients. |
| Tortal mortality  | 0 per 1,000  | **0 per 1,000**(0 to 0)  | not estimable  | 60(1 RCT)  | ⨁⨁◯◯LOW a,b |  |
| Technical survival  | 0 per 1,000  | **0 per 1,000**(0 to 0)  | not estimable  | 60(1 RCT)  | ⨁⨁◯◯LOW a,b |  |
| Cardiovascular event  | 100 per 1,000  | **0 per 1,000**(0 to 0)  | not estimable  | 60(1 RCT)  | ⨁⨁◯◯LOW a,b |  |
| Hyperkalemia  | 69 per 1,000  | **84 per 1,000**(25 to 247)  | **OR 1.23**(0.35 to 4.40)  | 144(2 RCTs)  | ⨁⨁◯◯LOW a,c | There might be no difference between ARB and ACEI on the risk of hyperkalemia in PD patients. |
| \***The risk in the intervention group** (and its 95% confidence interval) is based on the assumed risk in the comparison group and the relative effect of the intervention (and its 95% CI). **ARB**, angiotensin receptor blocker; **ACEI**, angiotensin-converting enzyme inhibitor; **PD**, peritoneal dialysis; **GFR**, glomerular filtration rate**CI:** Confidence interval; **MD:** Mean difference; **RR:** Risk ratio; **OR:** Odds ratio  |
| **GRADE Working Group grades of evidence****High certainty:** We are very confident that the true effect lies close to that of the estimate of the effect**Moderate certainty:** We are moderately confident in the effect estimate: The true effect is likely to be close to the estimate of the effect, but there is a possibility that it is substantially different**Low certainty:** Our confidence in the effect estimate is limited: The true effect may be substantially different from the estimate of the effect**Very low certainty:** We have very little confidence in the effect estimate: The true effect is likely to be substantially different from the estimate of effect  |

#### Explanations

a. Many unclear criteria in the risk of bias table.

b. Only one study for the comparison. A limited number of patients.

c. The 95% CI does not reach the clinical decision threshold.