

Table S1 GRADEpro level of quality evidences assessment for TB treatment outcomes

| Outcomes | Anticipated absolute effects* (95% CI) | | Relative effect (95% CI) | No of participants (studies) | Certainty of the evidence (GRADE) |
|--|--|--------------------------------------|----------------------------------|------------------------------|-----------------------------------|
| | Risk with [comparison] | Risk with [intervention] | | | |
| Successful treatment outcome (successful outcome) assessed with: RR follow up: 6 months | 793 per 1,000 | 777 per 1,000 (705 to 856) | RR 0.98 (0.89 to 1.08) | 731 (5 RCTs) | ⊕⊕○○ LOW |
| Sputum conversion assessed with: RR follow up: 6 months | 720 per 1,000 | 835 per 1,000 (742 to 950) | RR 1.16 (1.03 to 1.32) | 348 (5 RCTs) | ⊕⊕○○ LOW |

*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).

CI: Confidence interval; RR: Risk ratio

Table S2 GRADEpro level of quality evidences assessment for serum zinc, retinol and hemoglobin

| Outcomes | Anticipated absolute effects* (95% CI) | | Relative effect (95% CI) | No of participants (studies) | Certainty of the evidence (GRADE) |
|---|--|--|--------------------------|------------------------------|-----------------------------------|
| | Risk with [comparison] | Risk with [intervention] | | | |
| Serum retinol value at 2 month (retinol at 2 month) | The mean serum retinol value at 2 month was 0 umol/l | MD 0.06 umol/l higher (0.04 higher to 0.08 higher) | - | 210 (3 RCTs) | ⊕⊕⊕○ MODERATE |
| Serum retinol values at 6 month (retinol value) | The mean serum retinol values at 6 month was 0 umol/l | MD 0.12 umol/l higher (0.1 higher to 0.14 higher) | - | 210 (3 RCTs) | ⊕⊕⊕○ MODERATE |
| serum zinc value at 2 month | The mean serum zinc value at 2 month was 0 umol/l | MD 0.86 umol/l higher (0.14 higher to 1.57 higher) | - | 362 (4 RCTs) | ⊕⊕⊕○ MODERATE |
| serum zinc at 6 month | The mean serum zinc at 6 month was 0 umol/l | MD 0.28 umol/l higher (0.06 lower to 0.62 higher) | - | 362 (4 RCTs) | ⊕⊕⊕○ MODERATE |
| serum hemoglobin at 2 month | The mean serum hemoglobin at 2 month was 0 ug/dl | 0.15 ug/dl higher (0.5 lower to 0.8 higher) | - | 323 (3 RCTs) | ⊕⊕⊕○ MODERATE |
| serum hemoglobin at 6 month | The mean serum hemoglobin at 6 month was 0 ug/dl | 0.29 ug/dl higher (0.08 higher to 0.51 higher) | - | 323 (3 RCTs) | ⊕⊕⊕○ MODERATE |

*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).

CI: Confidence interval; MD: Mean difference