

**Supplementary Documents:**

**Figure S1. Bias assessment of parallel and cross-over RCTs.** \* cross-over studies. Green circles with plus sign = low risk of bias, yellow circle with minus sign = some concerns.

| Study | Author/ year                   | Bias arising from randomization process | Bias due to deviation from intended intervention | Bias due to missing outcome data | Bias in measurement of the outcome | Bias in selection of the reported result | Overall result |
|-------|--------------------------------|---|--|----------------------------------|------------------------------------|--|----------------|
|       |                                |   |  |                                  |                                    |  |                |
|       | Agustina R et al., 2013        | +                                       | +  | +                                | +                                  | +  | +              |
|       | Axling U et al., 2020          | +                                       | -  | +                                | +                                  | +  | -              |
|       | Ballini A et al., 2019         | +                                       | -  | +                                | +                                  | -  | -              |
|       | Donaldson M S et al., 2000     | -                                       | -  | +                                | +                                  | +  | -              |
|       | Fabian E and Elmadafa I., 2007 | -                                       | -  | +                                | +                                  | +  | -              |
|       | Fabian E et al., 2008          | -                                       | -  | +                                | +                                  | +  | -              |
|       | Mohammad A et al., 2006        | -                                       | -  | +                                | +                                  | +  | -              |
|       | Surono I.S et al., 2014        | +                                       | -  | +                                | +                                  | +  | -              |
|       | Valentini L et al., 2015       | +                                       | -  | +                                | +                                  | +  | -              |
|       | *Gohel M et al., 2016          | -                                       | -  | -                                | +                                  | +  | -              |
|       | *Narva M et al., 2004          | -                                       | +  | +                                | +                                  | +  | -              |