|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **STUDY ID** | **DOMAIN 1** | | | **D1** | **DOMAIN 2** | | | **D2** | **DOMAIN 3** | | | | **D3** | **DOMAIN 4** | | | | | **D4** | **DOMAIN 5** | | | **D5** |
| **1.1** | **1.2** | **1.3** | **2.1** | **2.2** | **2.3** | **3.1** | **3.2** | **3.3** | **3.4** | **4.1** | **4.2** | **4.3** | **4.4** | **4.5** | **5.1** | **5.2** | **5.3** |
|  | **Was the allocation  sequence random?** | **Was the allocation  sequence concealed** | **Did baseline  differences between  intervention groups  suggest a problem with  the randomization  process?** |  | **Blinding of participants** | **Blinding of personnel** | **deviations from the intended intervention** |  | **data available for all participants** | **missing outcome data** | **Could  missingness in the  outcome depend on its true value** | **Is it  likely that missingness in  the outcome depended on  its true value** |  | **was method of measuring outcome appropriate** | **difference in measurement of outcome in two groups** | **Were outcome  assessors aware of the intervention received by  study participants** | **Could assessment of the outcome have been influenced by knowledge  of intervention received?** | **Is it likely that assessment of the outcome was  influenced by knowledge  of intervention received?** |  | **Were the data that  produced this result  analysed in accordance with a pre-specified analysis plan** |  |  |  |
| **Ahmed et al., 2021 [24]** | Yes (lottery) | No | No | **Some concerns** | no | no | no | **high** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **Low** |
| **AL-Omiri et al., 2021 [5]** | yes (computer sequence) | not possible |  | **low** | not possible | yes | no | **some concerns** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Bjørndal et al., 2010 [12]** | yes (block randomization) | yes | No | **low** | yes | yes | no | **low** | no | yes | no | no | **high** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Bjørndal et al., 2017 [30]** | yes (block randomization) | yes | No | **low** | yes | yes | no | **low** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Duman et al., 2021 [25]** | yes (numbered tiles) | no | No | **Some concerns** | no | no | no | **high** | yes | yes | no | no | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Jardim et al., 2020 [38]** | yes (chit method) | no | No | **Some concerns** | not possible | yes | no | **low** | no | yes | no | no | **high** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Khokhar and Tewari 2018 [26]** | partially yes | yes | No | **low** | no | yes | no | **some concerns** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Labib et al., 2019 [33]** | yes (block randomization) | yes | No | **low** | yes | not possible | no | **low** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Leksell et al., 1996 [31]** | no information | no | No | **high** | no | no | no | **high** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | partially yes | no | no | **some concerns** |
| **Manhans et al., 2020 [20]** | yes (computer sequence) | yes | No | **low** | no | partially yes | no | **some concerns** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Maltz et al., 2010 [34]** | yes (raffle) | no | No | **Some concerns** | no | no | no | **high** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Maltz et al., 2013 [36]** | yes (raffle) | no | No | **Some concerns** | no | no | no | **high** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Maltz et al., 2012 [35]** | yes (chit method) | no | No | **some concerns** | not possible | yes | no | **low** | yes (ITT) | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Maltz et al., 2018 [37]** | yes (chit method) | no | No | **some concerns** | not possible | yes | no | **low** | yes (ITT) | no | - | - | **low** | yes | no | no | no | no | **low** | yes | - | - | **low** |
| **Orhan et al., 2010 [13]** | Yes (lottery) | no | No | **some concerns** | no | yes | no | **low** | yes | no | - | - | **low** | yes | no | no | no | no | **low** | partially yes | no | no | **some concerns** |
| **Pratiwi et al., 2017 [27]** | no | no | No | **high** | no | no | no | **high** | yes | no | - | - | **low** | partially yes | no | no | no | no | **some concerns** | yes | - | - | **low** |
| **Rando-Meirelles et al., 2012 [28]** | yes (random numbers table) | no | No | **Some concerns** | no | no | no | **high** | no | yes | no | no | **high** | yes | no | no | no | no | **low** | partially yes | no | no | **some concerns** |

Table S2. Risk of Bias detailed