**Supplementary Table 2. Risk of bias assessment**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Study name** | **Random sequence generation** | **Allocation concealment** | **Blinding of participants and personnel** | **Blinding of outcome assessment** | **Incomplete outcome data** | **Selective reporting** | **Other bias** |
| Acharya et al.1 | Low | Low | Low | Low | Low | Low | Low |
| Avgerinos et al.2 | Low | Low | Low | Low | Low | Low | Low |
| Banares et al.3 | Low | Low | Unclear | Low | Low | Low | Low |
| Banares et al.4 | Low | Low | High | Low | Low | Low | Low |
| Bhardwaj et al.5 | Low | Low | High | High | High | High | High |
| Binay K De et al.6 | Low | Low | Low | Low | Low | Low | Low |
| Bonilha et al.7 | Low | Low | High | High | Low | Low | Low |
| Burroughs et al.8 | Low | Low | High | High | Low | Low | Low |
| Colombo et al.9 | Low | Low | High | High | Low | Low | Low |
| Conn et al.10 | Low | Low | Low | Low | Low | Low | Low |
| Garden et al.11 | Low | Low | Low | High | Low | Low | Low |
| Groszmann et al.12 | Low | Low | Low | Low | Low | Low | Low |
| Gupta et al.13 | Low | Low | High | High | High | Low | Low |
| Hobolth et al.14 | Low | Low | Low | Unclear | High | Low | Low |
| Ideo et al.15 | Low | Low | Low | Low | Low | Low | Low |
| The Italian multicenter project16 | Low | Low | High | High | Low | Low | Low |
| Jensen et al.17 | Low | Low | Low | Low | Low | Low | Low |
| Kim et al.18 | Low | Low | High | High | Low | Low | Low |
| Kumar et al.19 | Low | Low | Low | Low | Low | Low | Low |
| Kumar et al.20 | Low | Low | Low | Low | Low | Low | Low |
| Lebrec et al.21 | Low | Low | Low | Low | High | Low | Low |
| Lo et al.22 | Low | Low | Low | Low | Low | Low | Low |
| Lo et al.23 | Low | Low | Low | Low | Low | Low | Low |
| Lo et al.24 | Low | Low | Low | Low | Low | Low | Low |
| Merkel et al.25 | Low | Low | High | High | Low | Low | Low |
| Pascal et al.26 | Low | Low | Low | Low | Low | Low | Low |
| Peña et al.27 | Low | Low | Low | Low | Low | Low | Low |
| Perez-Ayuso et al.28 | Low | Low | High | High | Low | Low | Low |
| Pomier-Layrargues et al.29 | Low | Low | Unclear | Unclear | High | Low | Low |
| Sarin et al.30 | Low | Low | High | High | High | Low | Low |
| The PROVA study group31 | Low | Low | High | High | Low | Low | Low |
| Villanueva et al.32 | Low | Low | Low | Low | Low | Low | Low |
| Villeneuve et al.33 | Low | Low | High | High | Low | Low | Low |

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