**Supplementary Table 1:** Quality Assessment of the included studies using the Newcastle-Ottawa Scale (NOS)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study / Year** | **Selection** | | | | **Comparability** | **Outcomes** | | | **Score** | **Quality** |
| **Representativeness of the targeted population** | **Cohort size** | **Ascertainment of exposure** | **Outcome**  **not**  **present**  **at start** |  | **Assessment of outcomes** | **Follow-up**  **Time** | **Adequacy of**  **follow-up** |  | **High (7-9), medium 4-6, Low <3** |
|  | **Population based / multicenter 1, single center 0** | **> 70 1, < 70 0** |  | **Not present 1, present 0** |  | **Yes 1, No 0** | **Yes 1, No 0** | **Yes 1, No 0** |  |  |
| Yang *et. al[9]* | **0** | **1** | **1** | **1** | **0** | **1** | **1** | **0** | **5** | **Medium** |
| Lu *et al[16]* | **0** | **1** | **1** | **1** | **0** | **1** | **1** | **1** | **6** | **High** |
| Bernshteyn *et al[10]* | **0** | **1** | **1** | **1** | **1** | **1** | **0** | **0** | **5** | **Medium** |
| Jagtap et *al[11]* | **0** | **1** | **1** | **1** | **0** | **1** | **0** | **0** | **4** | **Medium** |
| Yoo et *al[12]* | **0** | **0** | **1** | **1** | **0** | **1** | **1** | **0** | **4** | **Medium** |
| Kim et *al[13]* | **0** | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **7** | **High** |
| Leal et *al[15]* | **0** | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **7** | **High** |
| Peiseler et *al[14]* | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **8** | **High** |
| Lee *et al[31]* | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **1** | **8** | **High** |
| Macías-Rodríguez *et al[22]* | **0** | **0** | **1** | **1** | **1** | **1** | **1** | **1** | **6** | **High** |
| Baffy *et al[32]* | **0** | **0** | **1** | **1** | **1** | **1** | **1** | **0** | **5** | **Medium** |
| Gill *et al[33]* | **0** | **1** | **1** | **1** | **0** | **1** | **1** | **0** | **5** | **Medium** |
| Churrango *et al[34]* | **0** | **1** | **1** | **1** | **0** | **1** | **1** | **0** | **5** | **Medium** |
| Adler *et al[23]* | **1** | **1** | **1** | **1** | **0** | **1** | **1** | **0** | **6** | **High** |
| Zhang *et al[4]* | **0** | **1** | **1** | **1** | **0** | **1** | **1** | **0** | **5** | **Medium** |
| Li *et al[21]* | **0** | **0** | **1** | **1** | **1** | **1** | **1** | **0** | **5** | **Medium** |
| My[26] *et al* | **0** | **0** | **1** | **1** | **0** | **1** | **1** | **0** | **4** | **Medium** |
| Artifon *et al[35]* | **1** | **1** | **1** | **1** | **0** | **1** | **1** | **1** | **7** | **High** |
| Schlenker *et al[36]* | **0** | **0** | **1** | **1** | **0** | **1** | **1** | **0** | **4** | **Medium** |
| Freeman *et al[20]* | **1** | **0** | **1** | **1** | **0** | **1** | **1** | **1** | **6** | **High** |
| Prat et *al[37]* | **0** | **0** | **1** | **1** | **0** | **1** | **1** | **0** | **4** | **Medium** |