Supplemental material

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## Supplementary Table 1- Risk of bias (Newcastle-Ottawa Scale)

| Author/Year | Type of study | Selection | | | | Comparability | Outcome | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Representativeness of the exposed cohort | Selection of the non-exposed cohort | Ascertainment of exposure | Demonstration that outcome of interest was not present at start of study | Comparability of cohorts on the basis of the design or analysis | Assessment of outcome | Was follow-up long enough for outcomes to occur | Adequacy of follow up of cohorts |
| Alarcón 2014 (21) | cross-sectional | | * | | | * | | * | * |
| Andersson 2013 (39) | cohort | * | * | | * | * | * | * | * |
| ERAS study group (Young) 2000 (3) | cohort | * | * | * | * | * | * | * | * |
| Baldassari 2014 (30) | cross-sectional | * | * | | | * | | * | * |
| Barton 2011 (31) | cross-sectional | * | | | | * | * | * | * |
| Berkanovic 1996 (32) | cross-sectional | | * | | | | | * | |
| Brekke 1999 (38) | cross-sectional | * | * | * | | | | * | |
| Callhoff 2017 (33) | cross-sectional | | * | | | * | | * | |
| Camacho 2012 (16) | cohort (NOAR) | * | * | * | * | * | * | * | * |
| Chandrashekara 2018 (34) | cross-sectional | * | * | | | * | * | * | * |
| Clave-Testino 1994 (23) | case-control | * | * | | * | * | | | |
| Gamboa-Cardenas 2019 (14) | cohort | * | * | | | * | | | |
| Gong 2016 (35) | cross-sectional | | * | | | | | | |
| Hallert 2015 (36) | cohort | * | * | | | | * | | |
| Harrison 2009 (17) | cohort (NOAR) | * | * | * | * | * | * | * | * |
| Harrison 2005 (1) | cohort | * | * | * | * | * | * | * | * |
| Jacobi 2003 (4) | cohort | | * | | | * | * | * | |
| Jiang 2015 (24) | cohort | * | * | | * | * | * | * | * |
| Kearsley-Fleet 2018 (18) | cohort | * | * | * | * | * | * | * | * |
| Linde 2009 (25) | cohort | * | * | | | * | | * | * |
| Massardo 2012 (15) | cohort | * | * | * | * | * | * | * | * |
| McEntegart 1997 (2) | cohort | * | * | * | * | * | * | * | * |
| Molina 2015 (20) | cohort | * | * | * | | * | * | * | * |
| Moufarrej 2015 (22) | cross-sectional | | | | | | | | * |
| Putrik 2016 (26) | cohort | * | * | * | * | * | * | * | * |

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| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Roodenrijs 2020 (27) | cohort | * | * | | | * | * | * | * | |
| Vlieland 1994 (28) | cohort | | * | | | * | | * | | |
| Yang 2015 (37) | cohort | * | * | * | * | * | * | * | * |
| Yates 2021 (19) | cohort | * | * | * | * | * | * | * | * |
| Zou 2020 (29) | cohort | * | * | * | | | | * | * |