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| Supplementary Table S2: Evaluation of the quality of studies fulfilling the inclusion criteria by the Murad scale10. Q1-Q6 are referring to the questions described in Supplementary Table S1.  |
| 1st author, year | Selection | Ascertainment | Causality | Reporting | Total |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 |
| Weinstein et al., 197770 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Steere et al., 197976 | Yes | Yes | Yes | Yes | Yes | No | 5 |
| Schleupner et al., 198077 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Sammartino et al., 198263 | Yes | No | Yes | No | Yes | No | 3 |
| Nelson et al., 198382 | Yes | Yes | No | No | Yes | No | 3 |
| Goldstein et al., 198559 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Siegman-Igra et al., 198530 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Richardson et al., 198620 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Stine et al., 198731 | Yes | Yes | Yes | Yes | No | Yes | 5 |
| Prigogine et al., 198847 | Yes | Yes | Yes | No | Yes | No | 4 |
| Wheeler et al., 198960 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Hoffmann et al., 198926 | Yes | Yes | Yes | Yes | Yes | No | 5 |
| Nye et al., 199029 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Gubler er al., 199225 | Yes | Yes | Yes | Yes | No | No | 4 |
| Flournoy et al., 199218 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Fraser et al., 199237 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Whitlock et al., 199287 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Vandenbroucke-Grauls et al., 199372 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Jereb et al., 199367 | Yes | No | No | No | Yes | Yes | 3 |
| Brown et al., 199350 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Kolmos, 199469 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Campagnaro et al., 199446 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Maloney et al., 199448 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Bennett et al., 199427 | No | Yes | Yes | Yes | Yes | Yes | 5 |
| Wang et al., 199580 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Kiely et al., 199523 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Takigawa et al., 199528 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Hagan et al., 199562 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Agerton et al., 199781 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Cox et al., 199778 | Yes | Yes | Yes | Yes | No | Yes | 5 |
| Blanc et al., 199749 | Yes | Yes | Yes | No | Yes | No | 4 |
| Mitchell et al., 199724 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Wilson et al., 200088 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Schelenz et al., 200044 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Southwick et al., 200179 | Yes | No | Yes | Yes | Yes | Yes | 5 |
| Sorin et al., 200185 | No | Yes | Yes | Yes | Yes | Yes | 5 |
| Kressel et al., 200142 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Ramsey et al., 200254 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Kirschke et al., 200384 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Srinivasan et al., 200356 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Larson et al. 200373 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Silva et al., 200371 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Cetre et al., 200361 | Yes | Yes | Yes | No | Yes | No | 4 |
| Severino et al., 200453 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Cetre et al., 200512 | Yes | Yes | No | No | Yes | No | 3 |
| Bou et al., 200668 | No | Yes | Yes | No | Yes | Yes | 4 |
| Young et al., 200721 | Yes | No | Yes | Yes | Yes | Yes | 5 |
| Schaffer et al., 200817 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Chroneou et al., 200836 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Schuetz et al., 200913 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Kioski et al., 200914 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| DiazGranados et al., 200957 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Rosengarten et al., 201022 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Cosgrove et al,, 201266 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Zweigner et al., 201455 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Blake et al., 201419 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Ece et al., 201441 | Yes | Yes | Yes | Yes | Yes | No | 5 |
| Peaper et al., 201592 | Yes | Yes | No | Yes | Yes | No | 4 |
| Guy et al., 201616 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Botana-Rial et al., 201640 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Scorzolini et al., 201634 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Waite et al., 201651 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Ardoino et al., 201698 | Yes | No | Yes | No | Yes | No | 3 |
| Guimaraes et al., 201643 | No | Yes | Yes | Yes | Yes | Yes | 5 |
| Alipour et al., 201783 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Carvalho et al., 201838 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Hellinger et al., 201964 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Seidelman et al., 201933 | No | Yes | Yes | Yes | Yes | Yes | 5 |
| Galdys et al., 20197 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Bringhurst et al., 202032 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Campos-Gutiérrez et al., 202035 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Zhang et al., 202015 | Yes | Yes | Yes | Yes | Yes | Yes | 6 |
| Abdolrasouli et al., 202158 | Yes | Yes | Yes | No | Yes | Yes | 5 |
| Seidelman et al., 202165 | No | Yes | Yes | Yes | Yes | Yes | 5 |