S1: Patients scores on PCS subdomain of SF-36.



S2: Patients scores on MCS subdomain of SF-36



S3: Patients scores on physical functioning subdomain of SF-36

 S4: Patients scores on role limitation due to physical health subdomain of SF-36



S5: Patients scores on pain subdomain of SF-36.

S6: Patients scores on general health subdomain of SF-36



S7: Patients scores on Energy subdomain of SF-36

S8: Patients scores on social functioning subdomain of SF-36



S9: Patients scores on role limitations due to emotional problems subdomain of SF-36



S10: Patients scores on emotional well-being subdomain of SF-36



S11: Funnel plot of publication bias for SF-36



S12: Funnel plot of publication bias for EQ-D5

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| **Supplementary Table 1: Quality assessment using JBI critical appraisal checklist** |
| **Author (Year)** | **Inclusion Criteria** | **Study subjects and setting description** | **Measurement of exposure**  | **Standardized measurement** | **Confounding factors** | **Outcomes measurement reliable** | **Appropriate statistical analysis** |
| Merkus (1997)  | Yes | Yes | No | Yes | Yes | No | Yes |
| Merkus (1999)  | Yes | Yes | No | Yes | Yes | No | Yes |
| Wight (1998)  | No | Yes | No | Yes | Yes | No | Yes |
| Blake (2000)  | Yes  | Yes  | No | No | No | No | No |
| Diaz-Buxo (2000)  | No | Yes | No | No | No | No | Yes |
| Harris (2002) | Yes | Yes | No | No | Yes | No | Yes |
| Wasserfallen (2004)  | No | No | Yes | No | No | No | No |
| Kutner (2005)  | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Lee (2005)  | Yes | Yes | Yes | No | No | No | Yes |
| Kalender (2007)  | No | No | No | No | No | Yes | Yes |
| Zhang (2007)  | No | No | No | No | No | No | Yes |
| Sayin (2007)  | Yes | Yes | No | No | No | Yes | Yes |
| Borowiak (2009)  |  |  |  |  |  |  |  |
| Kontodimopoulos (2009)  | No | Yes | No | No | No | No | Yes |
| Ibrahim (2011) | No | No | No | No | No | No | No |
| Turkmen (2012)  | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Okpechi (2013)  | Yes | Yes | No | Yes | Yes | No | Yes |
| Czyzewski (2014)  | Yes | Yes | No | Yes | Yes | No | Yes |
| Yang (2015)  | Yes | Yes | Yes | No | Yes | Yes | Yes |
| Ramos (2015) | No | Yes | No | No | No | Yes | Yes |
| Kostro (2016)  | Yes | No | No | No | No | No | Yes |
| Chang (2016)  | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Uwe Scheuermann (2020) | No | No | No | No | No | No | Yes |
| Iijuan Zhang (2020) | Yes | Yes | No | No | No | No | No |
| Iinyan Chen (2021) | Yes | Yes | Yes | No | No | Yes | Yes |
| Mariana Araújo Pena Bastos(2021) | No | Yes | No | No | Yes | No | Yes |
| Ika Setyo Rini (2021) | No | No | No | No | No | No | No |