

Supplement report

Table 2:** Quality assessment

| Quality Assessments | | | | | | | | | | | | | | | | | | | | Total=9 | | |
|---------------------|---|------------------------------------|----|---|---|---------------|---|-------------------|---|---|---------------------------------|----|---|-------------------------------|----|-------------------------|---|---|---------------|---------|---|---|
| Num ber | study | Selection total = total 4 points | | | | | | | | | | | | Comparability= total 2 points | | Outcome= total 3 points | | | | | | |
| | | 1.Representativeness of the sample | | | | 2.Sample size | | 3.Non-respondents | | | 4.Ascertainment of the exposure | | | 1.Confounding factors | | 1.Assessment | | | 2.Statistical | | | |
| | | A* | B* | C | D | A* | B | A* | B | C | A* | B* | C | A* | B* | A* | B | C | D | A* | B | |
| 1 | Mahfouz, Alsanosy, Gaffar, & Makeen, 2014 | * | | | | * | | | | | | * | | * | | | | * | * | | | 6 |
| 2 | Khalaf, Westergren, Berggren, Ekblom, & Al-Hazzaa, 2014 | | * | | | * | | | | | | * | | * | * | | | * | * | | | 7 |
| 3 | Ibrahim et al., 2014 | | * | | | * | | | | | * | | | * | * | | | * | * | | | 7 |
| 4 | AlSwuailem, AlShehri, & Al-Sadhan, 2014 | | * | | | | * | | | | | | * | * | * | | | * | * | | | 5 |
| 6 | Koura, Al-Dabal, Rasheed, Al-Sowielem, & Makki, 2012 | | * | | | * | | | | * | * | | | | * | | | * | * | | | 6 |
| 7 | Azhar & Alsayed, 2012 | | * | | | | * | | | * | * | | | | * | | | * | | * | | 3 |
| 8 | Allam, Taha, Al-Nozha, & Sultan, 2012 | | * | | | | * | | | * | * | | | | * | | | * | * | | | 5 |
| 9 | Abolfotouh, Al-Alwan, & Al-Rowaily, 2012 | | * | | | | * | | | * | | | * | * | * | | | | * | * | | 3 |
| 10 | Wali, 2011 | | * | | | | * | | | * | * | | | | * | | | * | * | | | 5 |
| 12 | Mandil et al., 2011 | | * | | | | * | | * | | * | * | | | * | | | * | * | | | 5 |
| 13 | Al Qauhiz, 2010 | | * | | | * | | | | * | | | * | * | * | | | * | * | | | 5 |
| 14 | Subhan, Al-Khlaiwi, & Ghandourah, 2009 | | * | | | | * | | | * | | | * | * | * | | | * | * | | | 4 |
| 15 | Y. A. Al-Turki & Al-Rowais, 2008 | | | * | | | * | | | | | | * | * | * | | | * | * | | * | 1 |
| 16 | Merdad, Al-Zahrani, & Farsi, 2007 | | * | | | * | | | | * | * | | | * | * | | | * | * | | * | 5 |
| 17 | Hasim, 2000 | | | * | | | * | | | * | | | * | * | * | | | * | * | | | 2 |
| 18 | Amin, Al Sultan, Mostafa, Darwish, & Al-Naboli, 2014 | * | | | | | * | | | | * | * | | * | * | | | * | * | * | * | 7 |
| 19 | Rehmani et al., 2013 | * | | | | * | | | | | | * | * | * | * | | | * | * | * | * | 6 |
| 20 | Siddiqui & Ogbeide, 2001 | | | | | | | | | | | | | | | | | | | | | |
| 21 | Abalkhail, Shawky, Ghabrah, & Milaat, 2000 | | * | | | * | | | | | | | * | * | * | | | * | * | | * | 5 |
| 22 | AlQuaiz et al., 2015 | | | | * | | * | | | * | * | | * | * | * | | | * | * | * | * | 5 |
| 23 | Elkhalifa, Kinsara, & Almadani, 2011 | | | * | | | * | | | * | | | * | * | * | | | * | * | * | * | 3 |

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|----|---|---|---|--|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | Al-Daghri et al., 2013 | | * | | | * | | | * | | * | | | * | | | * | * | | 4 |
| 25 | Habib, 2013 | | | | * | * | | | * | | | * | | | | | * | | | 1 |
| 26 | Amin, Al-Hammam, et al., 2014 | * | | | | | | | * | | | * | * | * | | * | * | | 7 | |
| 27 | Ahmed, Ginawi, Elsbali, Ashankyty, & Al-Hazimi, 2014 | * | | | * | | | | * | | * | | * | * | * | | * | | 7 | |
| 28 | Safar A Al-Saleem, 2013 | | * | | * | | | | * | | * | * | * | * | * | | * | | 5 | |
| 29 | Al-Zahrani, 2011 | | | | * | * | | | * | | * | | * | | * | * | * | | 3 | |
| 30 | Alqurashi, Aljabri, & Bokhari, 2011 | | | | * | * | | | * | | * | | * | | * | * | * | | 3 | |
| 31 | Ogbeide, Karim, Al-Khalifa, & Siddique, 2004 | | | | * | * | | | * | | * | | * | | * | * | * | | 2 | |
| 32 | Al-Malki, Al-Jaser, & Warsy, 2003 | | | | * | * | | | * | | * | | * | | * | | * | * | 3 | |
| 33 | Kalantan, Mohamed, Al-Taweel, & Abdul Ghani, 2001 | | * | | * | | | | * | | * | | * | | * | * | * | * | 5 | |
| 34 | Abolfotouh, Daffallah, Khan, Khattab, & Abdulmoneim, 2001 | | * | | * | | | | * | | * | | * | | * | * | * | * | 4 | |
| 35 | Saima Siddiqui, 2000 | | | | * | * | | | * | | * | | * | | * | | * | | 1 | |
| 36 | Karim, Ogbeide, Siddiqui, & Al-Khalifa, 2000 | | * | | * | | | | * | | * | | * | | * | | * | | 2 | |
| 37 | Al-Humaidi, 2000 | | | | * | * | | | * | * | | * | | * | | * | * | * | 4 | |
| 38 | Al-Qahtani, Imtiaz, Saad, & Hussein, 2006 | | * | | * | | | | * | * | | * | | * | | * | * | * | 6 | |
| 39 | Saeed et al., 2011 | * | | | * | | | | * | * | | * | * | * | * | * | * | * | 7 | |
| 40 | Memish et al., 2014 | * | | | * | * | * | | * | | * | * | * | * | * | * | * | * | 8 | |
| 41 | El Bcheraoui et al., 2014 | * | | | * | * | * | | * | | * | * | * | * | * | * | * | * | 9 | |
| 42 | Basulaiman et al., 2014 | * | | | * | * | * | | * | | * | * | * | * | * | * | * | * | 8 | |
| 43 | Aljohani, 2014 | * | | | * | | | | * | | * | | * | * | * | * | * | * | 8 | |
| 44 | Al-Daghri et al., 2014 | * | | | * | | | | * | | * | | * | * | * | * | * | * | 7 | |
| 45 | Al-Baghli et al., 2010 | | * | | * | * | * | | * | | * | | * | * | * | * | * | * | 7 | |
| 46 | Al-Daghri et al., 2011 | | * | | * | | | | * | | * | | * | * | * | * | * | * | 6 | |
| 47 | Albedah, Khalil, Khalil, & Elolemy, 2011 | | * | | * | | | | * | | * | | * | * | * | * | * | * | 5 | |
| 48 | K. A. Al-Turki et al., 2010 | | * | | * | | | | * | | * | | * | * | * | * | * | * | 5 | |
| 49 | Al-Daghri et al., 2010 | | * | | * | | | | * | | * | | * | * | * | * | * | * | 6 | |
| 50 | Al-Baghli et al., 2009 | | * | | * | | | | * | | * | | * | * | * | * | * | * | 6 | |

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| 51 | K. A. Al-Turki, Al-Baghli, Al-Ghamdi, & El-Zubaier, 2008 | | * | | | * | | | * | | * | | | * | | * | * | | 6 |
| 52 | Al-Nozha et al., 2008 | * | | | * | | * | | | * | | * | | * | | * | * | | 8 |
| 53 | Al-Baghli et al., 2008 | | * | | * | | | * | | * | | | * | | * | | * | | 6 |
| 54 | Al-Othaimen, Al-Nozha, & Osman, 2007 | | * | | | * | | | | * | | | * | | * | | * | | 5 |
| 55 | Al-Nozha, Al-Hazzaa, et al., 2007 | * | | | * | | | * | | * | | | * | | * | | * | | 6 |
| 56 | Al-Nozha, Abdullah, et al., 2007 | * | | | * | | | * | | * | | | * | | * | | * | | 6 |
| 57 | M. M. Al-Nozha et al., 2005 | * | | | * | | | * | | * | | | * | | * | | * | | 6 |
| 58 | M. Al-Nozha et al., 2005 | * | | | * | | | * | | * | | | * | | * | | * | | 6 |
| 59 | Al-Nozha et al., 2004 | * | | | * | | | * | | * | | | * | | * | | * | | 6 |
| 60 | (Soofi & Youssef, 2015) | | * | | * | | | | | * | | * | | * | | * | * | | 6 |
| 61 | (Moradi-Lakeh et al., 2015) | * | * | | * | | | | * | | | | * | | * | | * | | 7 |