

Supplementary Table 1. Quality assessment of cohort studies.

| Study (authors, year) | 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 |
|-----------------------|--|-------------------------------------|---------------------------|--|---|-----------------------|---|----------------------------------|
| Morita et al, 2017 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Kubo et al, 2017 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Sonoda et al, 2015 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Zhao et al, 2013 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Zhao et al, 2012 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Ha et al, 2010 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Motomura et al, 2010 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Biswal et al, 2009 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Rijnen et al, 2005 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Langlais et al, 2004 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Hisatome et al, 2004 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Koo et al, 2000 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Iwasada et al, 1997 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Dean et al, 1993 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |
| Inao et al, 1990 | Yes | NA | Yes | Yes | NA | Yes | Yes | Yes |

NA: not available.

Supplementary Table 2. Quality assessment of case-control studies.

| Study (authors, year) | Is the case definition adequate? | Representativeness of the cases | Selection of Controls | Definition of Controls | Comparability of cases and controls on the basis of the design or analysis | Ascertainment of exposure | Same method of ascertainment for cases and controls | Non-Response rate |
|-----------------------|----------------------------------|---------------------------------|-----------------------|------------------------|--|---------------------------|---|-------------------|
| Kawano et al, 2018 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | NA |
| Lee et al, 2017 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | NA |
| Hasegawa et al, 2003 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | NA |
| Schneider et al, 2002 | Yes | Yes | Yes | Yes | Yes | Yes | Yes | NA |

NA: not available.