**Table S3.** Risk of bias in the included studies assessed by the Newcastle-Ottawa scale.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Study | Selection | Comparability | Exposure | Score | Risk of bias |
| 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 |
| Rezende et al., 2012 |  Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Hospital controls  | No history of disease (★) | Study controls for the most important factors (★) | Secure record (★) | Yes (★) | Not mentioned | 6 | Medium |
| Zhan et al., 2015 | Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Hospital controls | No history of disease (★) | Study controls for any additional factors (★★) | Secure record (★) | Yes (★) | Not mentioned | 7 | Low |
| Rezavand et al., 2019 | Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Hospital controls | No history of disease (★) | Not in accordance with HWE | Secure record (★) | Yes (★) | Not mentioned | 5 | Medium |
| Caccamo et al., 2020 | Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Hospital controls | No history of disease (★) | Study controls for any additional factors (★★) | Secure record (★) | Yes (★) | Not mentioned | 7 | Low |
| Mashhadi et al., 2020 | Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Hospital controls | No history of disease (★) | Study controls for the most important factors (★) | Secure record (★) | Yes (★) | Not mentioned | 6 | Medium |
| Stola et al., 2021 | Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Hospital controls | No history of disease (★) | Study controls for any additional factors (★★) | Secure record (★) | Yes (★) | Not mentioned | 7 | Low |
| Ghorbani et al., 2021 | Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Hospital controls | No history of disease (★) | Study controls for the most important factors (★) | Secure record (★) | Yes (★) | Not mentioned | 6 | Medium |
| Setiarsih et al.,2022 | Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Hospital controls | No history of disease (★) | Study controls for the most important factors (★) | Secure record (★) | Yes (★) | Not mentioned | 6 | Medium |
| Si et al., 2022 **(Cohort study)** | Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Community controls (★) | No history of disease (★) | Study controls for the most important factors (★) | Secure record (★) | Yes (★) | Complete follow up (★) | 8 | Low |
| Aziz et al., 2022 | Clear diagnostic criteria were presented (★) | Consecutive cases (★) | Hospital controls | No history of disease (★) | Study controls for the most important factors (★) | Secure record (★) | Yes (★) | Not mentioned | 6 | Medium |