

|                        | Were the two groups similar and recruited from the same population? | Were the exposures measured similarly to assign people to both exposed and unexposed groups? | Was the exposure measured in a valid and reliable way? | Were confounding factors identified? | Were strategies to deal with confounding factors stated? | Were the groups/participants free of the outcome at the start of the study (or at the moment of exposure)? | Were the outcomes measured in a valid and reliable way? | Was the follow up time reported and sufficient to be long enough for outcomes to occur? | Was follow up complete, and if not, were the reasons to loss to follow up described and explored? | Were strategies to address incomplete follow up utilized? | Was appropriate statistical analysis used? |
|------------------------|---|--|--|--------------------------------------|--|--|---|---|---|---|--|
| Civantos et al. 2021   | +   | +  | +  | +                                    | +  | +  | +   | +   | +   | +   | +  |
| Enomoto et al. 2015    | +   | +  | +  | -                                    | -  | +  | +   | +   | +   | +   | +  |
| Farber et al. 2019     | +   | +  | -  | -                                    | -  | +  | +   | +   | +   | +   | +  |
| Fereydooni et al. 2024 | +   | +  | +  | -                                    | -  | +  | +   | +   | -   | +   | +  |
| Ramsey et al. 2021     | +   | +  | +  | -                                    | -  | +  | +   | +   | +   | +   | +  |
| Sullivan et al. 2021   | +   | +  | +  | -                                    | -  | +  | +   | +   | +   | +   | +  |

**Figure Supplementary 1.** Risk of bias assessed using the Joanna Briggs Institute tool for cohort studies.

|                             | Where the criteria for inclusion in the sample clearly defined? | Where the study subjects and the setting described in detail? | Was the exposure measured in a valid and reliable way? | Were objective, standard criteria used for measurement of the condition? | Were confounding factors identified? | Were strategies to deal with confounding factors stated? | Were the outcomes measured in a valid and reliable way? | Was appropriate statistical analysis used? |
|-----------------------------|---|---|--|--|--------------------------------------|--|---|--|
| Mulvey; Smith; Gourin, 2016 |   |   |  |  |                                      |  |   |  |
| Satheeshkumar et al. 2021   |   |   |  |  |                                      |  |   |  |

**Figure Supplementary 2.** Risk of bias assessed using the Joanna Briggs Institute tool for cross-sectional studies.

|                     |   |  |
|---------------------|---|--|
| Saravia et al. 2022 | Were the groups comparable other than the presence of disease in cases or the absence of disease in controls? |  |
|                     | Were cases and controls matched appropriately?  |  |
|                     | Were the same criteria used for identification of cases and controls?   |  |
|                     | Was exposure measured in a standard, valid and reliable way?  |  |
|                     | Was exposure measured in the same way for cases and controls?   |  |
|                     | Were confounding factors identified?  |  |
|                     | Were strategies to deal with confounding factors stated?  |  |
|                     | Were outcomes assessed in a standard, valid and reliable way for cases and controls?                          |  |
|                     | Was the exposure period of interest long enough to be meaningful?   |  |
|                     | Was appropriate statistical analysis used?  |  |

**Figure Supplementary 3.** Risk of bias assessed using the Joanna Briggs Institute tool for case control study.

|                 |   |   |
|-----------------|---|---|
| Lin et al. 2020 | Were there clear criteria for inclusion in the case series?   | + |
|                 | Was the condition measured in a standard, reliable way for all participants included in the case series?      | + |
|                 | Were valid methods used for identification of the condition for all participants included in the case series? | + |
|                 | Did the case series have consecutive inclusion of participants?   | + |
|                 | Did the case series have complete inclusion of participants?  | + |
|                 | Was there clear reporting of the demographics of the participants in the study?                               | + |
|                 | Was there clear reporting of clinical information of the participants?  | + |
|                 | Were the outcomes or follow up results of cases clearly reported?   | + |
|                 | Was there clear reporting of the presenting site(s)/clinic(s) demographic information?                        | + |
|                 | Was statistical analysis appropriate?   | + |

**Figure Supplementary 4.** Risk of bias assessed using the Joanna Briggs Institute tool for case series.