# Risk of Bias Assessment for Diagnostic Test Accuracy Studies

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| Reference (Author, y) | Consecutive or random sample enrolled | A case-control design avoided | Inappropriate exclusions avoided | Index test interpreted without the knowledge of results of reference standard | Pre-specified threshold if used | Reference standard likely to correctly classify the target condition | Reference standard results interpreted without knowledge of index test results | Appropriate interval between index test and reference standards | All patients receive the same reference standard | All patients included in the analysis |
| Chang et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Wing et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Poplin et al, 2018 |  |  |  |  |  |  |  |  |  |  |
| Rim et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Son et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Zhong et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Lim et al, 2019 |  |  |  |  |  |  |  |  |  |  |
| Dai et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Zhang et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Benson et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Aslam et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Govindaswamy et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Islam et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Zhang et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Kang et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Sabanayagam et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Lemmens et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Tian et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Wisely et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Lai et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Chen et al, 2019 |  |  |  |  |  |  |  |  |  |  |
| Wei et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Mitani et al, 2019 |  |  |  |  |  |  |  |  |  |  |
| Xiao et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Betzler et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Kim et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Ma et al, 2021 |  |  |  |  |  |  |  |  |  |  |
| Rim et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Vaghefi et al, 2019 |  |  |  |  |  |  |  |  |  |  |
| Lau et al, 2018 |  |  |  |  |  |  |  |  |  |  |
| Parameswari et al, 2020 |  |  |  |  |  |  |  |  |  |  |
| Cheung et al, 2018 |  |  |  |  |  |  |  |  |  |  |
| Zee et al, 2021 |  |  |  |  |  |  |  |  |  |  |

: Low Risk of Bias

: Unclear Risk of Bias

: High Risk of Bias