APPENDIX S4: QUADAS-2 quality assessment summary - Review authors' judgements in detail

	Chun & Siu, 2023(15)	Giachino et al. 2013(16)	Lian et al. 2023(17)	Meng et al. 2019(18)	Morello et al. 2016(19)	Morello et al. 2017(20)	Morello et al. 2018(21)	Morello et al. 2020(22)	Peng et al. 2015(23)	Suzuki et al. 2008(24)	von Kodolitsch et al. 2000(25)	Wang et al. 2018(26)	Zhang et al. 2023(27)
Patient selection domain													
1. Was a consecutive or random sample of patients enrolled?	No	Yes	Yes	No	No	Yes	No	Unclear	Unclear	No	Yes	Unclear	Yes
2. Was a case-control design avoided?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
3. Did the study avoid inappropriate exclusions?	Unclear	Yes	Yes	No	Yes	Yes	Yes	Unclear	No	Unclear	Unclear	No	Yes
SUMMARY: Risk of bias Could the selection of patients have introduced bias?	**HIGH**	**LOW**	**LOW**	**HIGH**	**HIGH**	**LOW**	**HIGH**	**UNCLEAR**	**HIGH**	**HIGH**	**UNCLEAR**	**HIGH**	**LOW**
SUMMARY: Concerns regarding applicability Are there concerns that the included patients do not match the review question?	**LOW**	**LOW**	**LOW**	**HIGH**	**UNCLEAR**	**LOW**	**LOW**	**LOW**	**HIGH**	**UNCLEAR**	**UNCLEAR**	**HIGH**	**LOW**
Index test domain													
4. Were the index test results interpreted without knowledge of the results of the reference standard?	Unclear	Yes	Unclear	Unclear	Yes	Yes	Yes	Yes	Unclear	Unclear	Unclear	Unclear	Yes
5. If a threshold was used, was it pre-specified?	Yes	No	No	Yes	Yes	No	No	No	No	No	Unclear	No	No
SUMMARY: Risk of bias Could the conduct or interpretation of the index test have introduced bias?	**UNCLEAR**	**HIGH**	**HIGH**	**HIGH** [a]	**LOW**	**HIGH**	**HIGH**	**HIGH**	**HIGH**	**HIGH**	**UNCLEAR**	**HIGH**	**HIGH**
SUMMARY: Concerns regarding applicability Are there concerns that the index test, its conduct, or interpretation differ from the review question?	**LOW**	**LOW**	**LOW**	**HIGH** [a]	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**
Reference standard domain													

Question	1	2	3	4	5	6	7	8	9	10	11	12	13
6. Is the reference standard likely to correctly classify the target condition?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes	Yes	Unclear
7. Were the reference standard results interpreted without knowledge of the results of the index test?	Unclear	Unclear	Unclear	Unclear	Yes	Yes	Yes	Yes	Unclear	Unclear	Unclear	Unclear	Yes
SUMMARY: Risk of bias Could the reference standard, its conduct, or its interpretation have introduced bias?	**UNCLEAR**	**UNCLEAR**	**UNCLEAR**	**UNCLEAR**	**LOW**	**LOW**	**LOW**	**LOW**	**UNCLEAR**	**UNCLEAR**	**UNCLEAR**	**UNCLEAR**	**UNCLEAR**
SUMMARY: Concerns regarding applicability Are there concerns that the target condition as defined by the reference standard does not match the review question?	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**	**LOW**
Flow and timing domain													
8. Was there an appropriate interval between index test(s) and reference standard?	Unclear	Yes	Unclear	Unclear	Yes	Yes	Yes	Unclear	Yes	Yes	Unclear	Yes	Unclear
9. Did all patients receive a reference standard?	Unclear	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Unclear
10. Did all patients receive the same reference standard?	Unclear	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Unclear	No	Yes	No
11. Were all patients included in the analysis?	Yes	Unclear	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUMMARY: Risk of bias Could the patient flow have introduced bias?	**UNCLEAR**	**UNCLEAR**	**UNCLEAR**	**UNCLEAR**	**LOW**	**LOW**	**HIGH**	**HIGH**	**LOW**	**UNCLEAR**	**HIGH**	**LOW**	**HIGH**

[a] Although one domain was unclear; troponin test and cutoffs were changed during study period, thus assessed as high bias/applicability concerns

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