Appendix 2: Quality assessment and data extraction form

Reviewer Name:

Date of the review:

General information

Study title	
Authors	
Year of publication	
Publishing journal	
Country of study	
Study funding/conflict of	
interest	

Eligibility

1.	Is this a case-controlled study?	?
		-

- YES If YES, please exclude and return to Basem immediately
- NO If NO, please continue

2. <u>Was there a clear question for the study to address?</u> Consider: A question should include information about the population, the test, the setting, and the outcomes

YES If YES, please continue

NO If NO, please exclude and return to Basem immediately

3. <u>Was there a comparison with an appropriate reference standard?</u> Consider: Is this reference test(s) the best available indicator in the circumstances?

- YES If YES, please continue
- NO If NO, please exclude and return to Basem immediately

4. Did all patients get the diagnostic test and reference standard? Consider: Were both received regardless of the results of the test of interest? Check the 2x2 table (verification bias)

YES				NO	

5. Could the results of the test have been influenced by the results of the reference standard?

Consider: Was there blinding? were the tests performed independently? review bias.

YES	N	C	

6.	Is VAF	^o status	of the te	ested po	pulation	clearly des	scribed?			
Con	sider: Pr	esenting sy	mptoms.	VAP stage	of severity.	Co-morbidity.	Differential	diagnoses	(spectrum b	oias)

YES		NO	

7. Were the methods for performing the test described in sufficient detail? Consider: Was a protocol followed?

YES		NO	
Conside	ere the results clearly presented? er: Are the sensitivity and specificity and/or like nat we can work them out?	elihood ra	tios presented? Are the results presented in such
YES		NO	
-	ow sure are we about the results? er: Could they have occurred by chance? Are	there con	fidence limits? What are they?

YES		NO	
YES		N	0

Methods:

Research method	
Population of interest	
Inclusion criteria	
Exclusion criteria	

Population and Sampling

Population	
Sample size (enrolled)	
Sample source	
Sampling method	
Participants age	
Participants Sex (M/F)	
Number of participants who	
completed the study	

Methods

Study main aim	
Primary outcome	
Secondary outcome	
Index test(s) and Synonyms	
Reference standard	
(comparator test)	
Description of procedure	
Clinical expertise or training	
required for the procedure	
Equipment required for the	
test	
Indicated results range for	
action (what are the	
thresholds that triggers	
action?)	

Results

Study results	Accuracy	
	Effectiveness	
	Clinical acceptability	
Reported statistical results		
Any adverse effects of the		
procedure		
Treatment decisions	1. No action	
	2. Initiated	
	3. Amended	
	4. Stopped	
Conclusion		
Reported strengths of test		
Reported weaknesses of test		
Additional comments		