## Additional file 2: Adapted QUADAS-2 questionnaire

Article Number	Author	Date	Reviewer

Risk of bias is judged as "low," "high," or "unclear." If the answers to all signaling questions for a domain are "yes," then risk of						
bias can be judged low. If any signaling question is answered "no," potential for bias exists. Review authors must then use						
the guidelines developed in phase 2 to judge risk of bias. The "unclear" category should be used only when insufficient data						
are reported to permit a judgment.						
Domain 1: Patient selection						
Risk of Bias: Could the selection of patients have introduced bias?	Low	Lliab	Undoor			
(Two No = High)	LOW	пıgri	Unclear			
Signaling question 1: Did the study describe population of interest and demographic data (e.g.,	Voo	No	Unaloar			
sex, age, underlying disease(s))?	165	INU	Unclear			
Signaling question 2: Were the inclusion and exclusion criteria clearly described?	Yes	No	Unclear			
Applicability: Are there concerns that the included patients and setting do not match the review	Low	High	Unalgar			
question?	LOW	підп	Unclear			
Domain 2: Index test (continuous cardiac output monitoring)						
Risk of bias: Could the conduct or interpretation of continuous cardiac output monitoring have	Low	High	Unclear			
introduced bias? (No = High)	LOW					
Signaling question: Was the setting of continuous cardiac output monitoring described clearly?	Voc	No	Unclear			
(e.g., type of pulmonary artery catheter (PAC), type of monitor, correct PAC placement, etc.)	165					
Applicability: Are there concerns that the index test, its conduct, or its interpretation differ from	Low	High	Unalgar			
the review question?	LOW	пığrı	Unclear			
Domain 3: Reference standard (intermittent cardiac output monitoring)						
Risk of bias: Could the reference method, its conduct, or its interpretation have introduced	Low	High	Unalgar			
? (No = High)		підп	Unclear			
Signaling question: Is the reference cardiac output monitoring likely to correctly measure						
cardiac output (e.g., type of PAC, type of monitor, correct PAC placement, description of bolus	Yes	No	Unclear			
application)?						
Applicability: Is there concern that the target condition as defined by the reference standard	Low	High	Unclear			
does not match the review question?	LOW	riigii	onoicai			
Domain 4: Flow and timing						
Could the patient flow have introduced bias? Could the analysis of flow and timing have	Low	Hiah	Unclear			
introduced bias? (Unclear: ≥2 unclear, 1 No + 1 unclear) (High: ≥2 No)	2011	. ngi i	ensida			
Signaling question 1: Were the number of patients enrolled and who dropped out clearly						
described in the result (e.g., number of enrolled patients = reported number of patients in	Yes	No	Unclear			
results section OR drop out clearly described)?						
Signaling question 2: Were the reference and index test measured "simultaneously" (directly	Yes	No	Unclear			
before/after)?	100	110	onologi			
Signaling question 3: Was the method of acquiring paired measurements well described?	Yes	No	Unclear			
Signaling question 4: In case of repeated measurements of cardiac output in patients, did they						
se statistical analysis for agreement between methods of measurement with multiple		No	Unclear			
observations per individual?						
Signaling question 5: In case of the mean of the differences being described in both the article	Yes	No	Unclear			
and the figure(s), do they match?	100	110	Cholodi			