Title
The diagnostic accuracy of lung auscultation in adult patients with acute pulmonary pathologies: a meta-analysis.

Authors
Luca Arts¹,² (MD), Endry Hartono Taslim Lim¹,² (MD), Peter Marinus van de Ven³ (PhD, MSc, MA), Leo Heunks¹,²,⁴ (PhD, MD), Pieter Roel Tuinman¹,²,⁴,* (PhD, MD)

¹Amsterdam UMC, location Vrije Universiteit Amsterdam, Department of Intensive Care Medicine, ²Research Vrije Universiteit Intensive Care (REVIVE) and ⁴Amsterdam Cardiovascular Sciences, De Boelelaan 1117, 1081 HV, Amsterdam, The Netherlands
³Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Biostatistics and Epidemiology, De Boelelaan 1117, 1081 HV, Amsterdam, The Netherlands

Corresponding author*
Dr. P. R. Tuinman, Amsterdam UMC, Vrije Universiteit Amsterdam, Department of Intensive Care Medicine, De Boelelaan 1117, 1081 HV Amsterdam, The Netherlands
E: p.tuinman@amsterdamumc.nl, T: +31204444444
Supplementary Appendix B – QUADAS-2: Risk of bias and applicability judgments: the four domains.

| DOMAIN 1: PATIENT SELECTION |
|------------------------------|
| **A. Risk of Bias**          |
| Describe methods of patient selection: |
| Was a consecutive or random sample of patients enrolled? | Yes/No/Unclear |
| Was a case-control design avoided? | Yes/No/Unclear |
| Did the study avoid inappropriate exclusions? | Yes/No/Unclear |
| Could the selection of patients have introduced bias? | RISK: LOW/HIGH/UNCLEAR |
| **B. Concerns regarding applicability** |
| Describe included patients (prior testing, presentation, intended use of index test and setting): |
| Is there concern that the included patients do not match the review question? | CONCERN: LOW/HIGH/UNCLEAR |

| DOMAIN 2: INDEX TEST(S) |
|-------------------------|
| If more than one index test was used, please complete for each test. |
| **A. Risk of Bias** |
| Describe the index test and how it was conducted and interpreted: |
| Were the index test results interpreted without knowledge of the results of the reference standard? | Yes/No/Unclear |
| If a threshold was used, was it pre-specified? | Yes/No/Unclear |
| Could the conduct or interpretation of the index test have introduced bias? | RISK: LOW/HIGH/UNCLEAR |
| **B. Concerns regarding applicability** |
| Is there concern that the index test, its conduct, or interpretation differ from the review question | CONCERN: LOW/HIGH/UNCLEAR |
### DOMAIN 3: REFERENCE STANDARD

#### A. Risk of Bias

*Describe the reference standard and how it was conducted and interpreted:*

| Question                                                                 | Response Options | Risk: Low / High / Unclear |
|-------------------------------------------------------------------------|------------------|-----------------------------|
| Is the reference standard likely to correctly classify the target condition? | Yes/No/Unclear   |                             |
| Were the reference standard results interpreted without knowledge of the results of the index test? | Yes/No/Unclear   |                             |
| Could the reference standard, its conduct, or its interpretation have introduced bias? |                    | Risk: Low / High / Unclear  |

#### B. Concerns regarding applicability

| Question                                                                 | Response Options | Concern: Low / High / Unclear |
|-------------------------------------------------------------------------|------------------|-------------------------------|
| Is there concern that the target condition as defined by the reference standard does not match the review question? | Yes/No/Unclear   | Concern: Low / High / Unclear |

### DOMAIN 4: FLOW AND TIMING

#### A. Risk of Bias

*Describe any patients who did not receive the index test(s) and/or reference standard or who were excluded from the 2x2 table (refer to flow diagram):*

*Describe the time interval and any interventions between index test(s) and reference standard:*

| Question                                                                 | Response Options | Risk: Low / High / Unclear |
|-------------------------------------------------------------------------|------------------|-----------------------------|
| Was there an appropriate interval between index test(s) and reference standard? | Yes/No/Unclear   |                             |
| Did all patients receive a reference standard?                           | Yes/No/Unclear   |                             |
| Did patients receive the same reference standard?                        | Yes/No/Unclear   |                             |
| Were all patients included in the analysis?                              | Yes/No/Unclear   |                             |
| Could the patient flow have introduced bias?                             |                    | Risk: Low / High / Unclear  |