

**M**agnetic resonance spectroscopy and enhanced MRI techniques in aiding the localisation of prostate abnormalities for biopsy – QUADAS-2 risk of bias tool.

## **Domain 1: patient selection**

### **A. Risk of bias**

**Yes    No    Unclear**

Signalling questions:

1. Was a consecutive or random sample of patients enrolled?
2. Was a case-control design avoided?
3. Did the study avoid inappropriate exclusions?

**Risk**

**Low    High    Unclear**

Could the selection of patients have introduced bias?

### **B. Concerns regarding applicability**

**Concern**

**Low    High    Unclear**

Is there concern that the included patients do not match the review question?

## **Domain 2: index & comparator test(s)**

### **A. Risk of bias**

**Yes    No    Unclear**

Signalling questions:

4. Were the index test results interpreted without knowledge of the results of the reference standard?
5. If a threshold was used, was it pre-specified?
6. For a test requiring subjective interpretation, was it interpreted by someone experienced in interpreting such tests?

**Risk**

**Low    High    Unclear**

Could the conduct or interpretation of the index test have introduced bias?

### **B. Concerns regarding applicability**

**Concern**

**Low    High    Unclear**

Is there concern that the index test, its conduct, or interpretation differ from the review question?

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### Domain 3: reference standard

#### A. Risk of bias

Yes No Unclear

Signalling questions:

7. Is the reference standard likely to correctly classify the target condition?
8. Were the reference standard results interpreted without knowledge of the results of the index test?
9. Were the results of the reference standard test interpreted by someone experienced in interpreting such tests?
10. Was a follow-up included in the reference standard?

Risk

Low High Unclear

Could the reference standard, its conduct, or its interpretation have introduced bias?

#### B. Concerns regarding applicability

Concern

Low High Unclear

Is there concern that the target condition as defined by the reference standard does not match the review question?

### Domain 4: flow and timing

#### A. Risk of bias

Yes No Unclear

Signalling questions:

11. Was there an appropriate interval between index test(s) and reference standard?
12. Did all patients receive a reference standard?
13. Did patients receive the same reference standard?
14. Were all patients included in the analysis?

Risk

Low High Unclear

Could the patient flow have introduced bias?

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