Supplement Figure 1

Identification

Records identified through
searching PUBMED
(n = 370)

Additional records identified
through other sources
(n = 104)

Screening

Records screened
(n = 131)

Records excluded
(n = 63)

Eligibility

Full-text articles assessed
for eligibility
(n = 68)

Full-text articles excluded,
with reasons
(n = 64)

Studies included in
qualitative synthesis
(n = 4)

Included

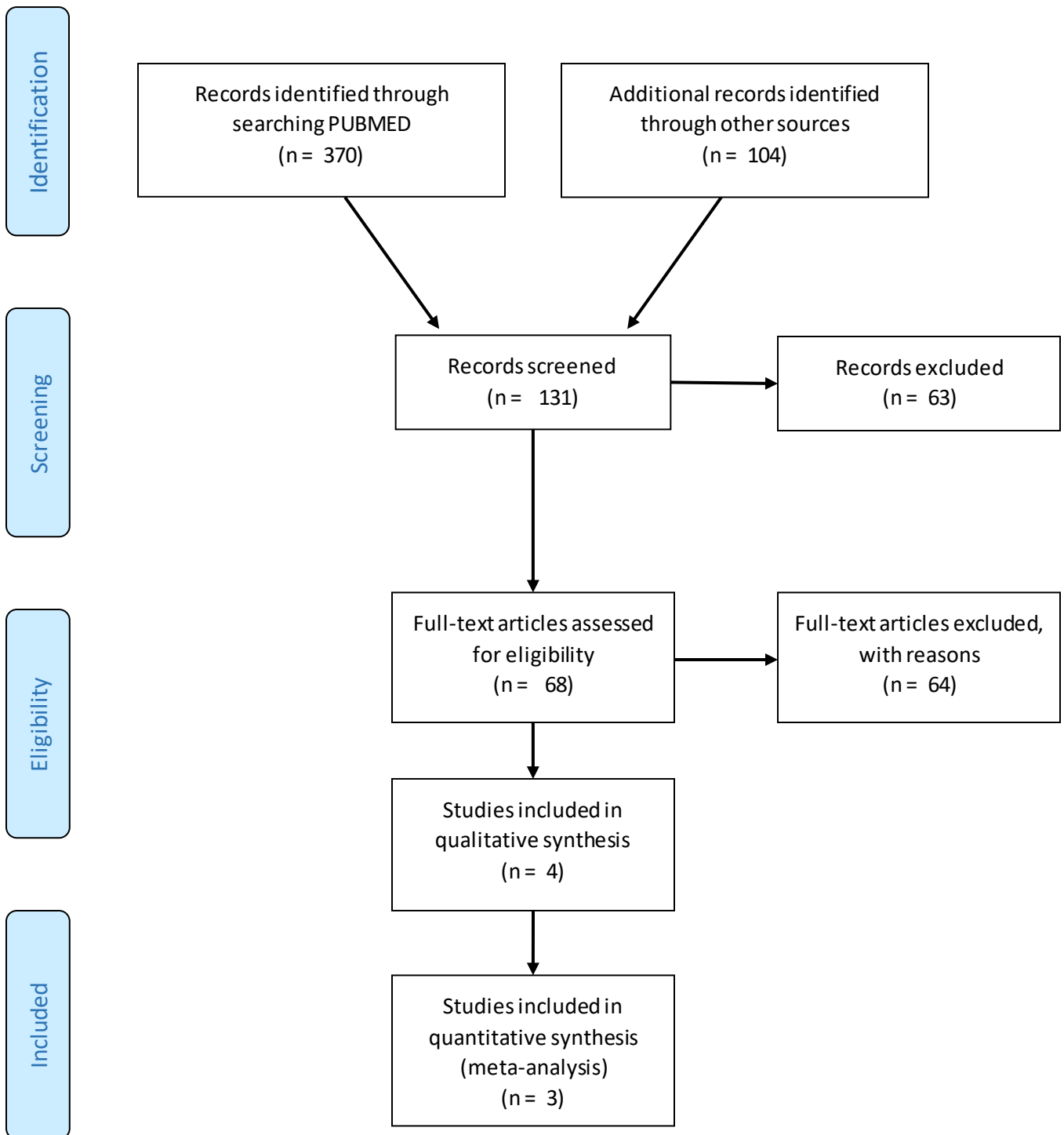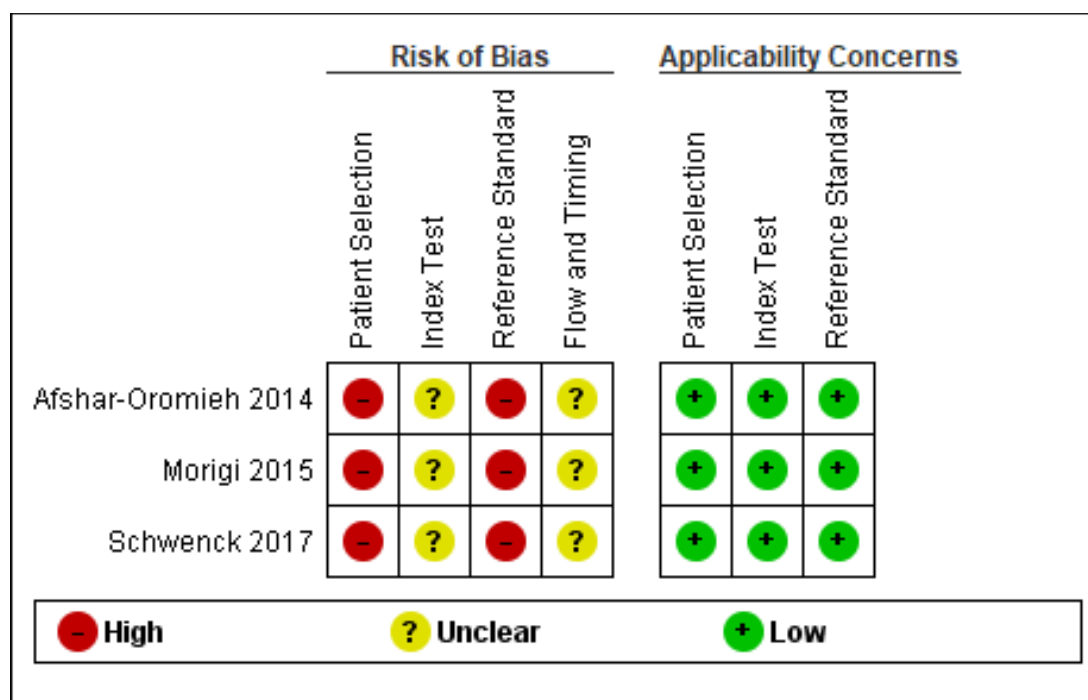Studies included in
quantitative synthesis
(meta-analysis)
(n = 3)

Supplement Figure 2

Supplement Table 1

PSMA compared with Choline PET Scan for Recurrent Prostate cancer

Outcomes	№ of participants (studies) Follow-up	Certainty of the evidence (GRADE)	Relative effect (95% CI)	Anticipated absolute effects	
				Risk with placebo	**Risk difference with PSMA PET Scans**
Overall Detection Rates	356 (3 observational studies)	⊕⊕◯◯ LOW	**OR 2.27** (1.06 to 4.85)	669 per 1,000	**152 more per 1,000** (13 more to 239 more)
Detection Rates after BCR at PSA thresholds less than 2ng/ml	148 (2 observational studies)	⊕◯◯◯ VERY LOW	**OR 2.37** (0.61 to 9.17)	486 per 1,000	**205 more per 1,000** (120 fewer to 410 more)

PSMA compared with Choline PET Scan for Recurrent Prostate cancer

Outcomes	№ of participants (studies) Follow-up	Certainty of the evidence (GRADE)	Relative effect (95% CI)	Anticipated absolute effects	
				Risk with placebo	Risk difference with PSMA PET Scans

*__The risk in the intervention group__ (and its 95% confidence interval) is based on the assumed risk in the comparison group and the __relative effect__ of the intervention (and its 95% CI).

CI: Confidence interval; **OR:** Odds ratio

GRADE Working Group grades of evidence

High certainty: We are very confident that the true effect lies close to that of the estimate of the effect

Moderate certainty: We are moderately confident in the effect estimate: The true effect is likely to be close to the estimate of the effect, but there is a possibility that it is substantially different
Low certainty: Our confidence in the effect estimate is limited: The true effect may be substantially different from the estimate of the effect

Very low certainty: We have very little confidence in the effect estimate: The true effect is likely to be substantially different from the estimate of effect