

# Checklist for the Appraisal of Diagnostic Accuracy Articles

(Leave items blank that do not apply.)

**Title** \_\_\_\_\_

**Author** \_\_\_\_\_ **Journal** \_\_\_\_\_ **Vol.** \_\_\_\_ **Issue** \_\_\_\_ **Date** \_\_\_\_\_

- A reasonable question that can be answered by the study design is proposed.  Yes  Partly  No
- The methods for performing the test are described enough to permit replication.  Yes  Partly  No
- The test was compared with a suitable reference standard (“gold” standard).  Yes  Partly  No
- Comparison with the reference standard was blinded.  Yes  Partly  No
- Decision to perform the reference standard was independent of new test results.  Yes  Partly  No
- The setting where the data were collected is described adequately.  Yes  Partly  No
- Inclusion/exclusion criteria are presented and are reasonable.  Yes  Partly  No
- The spectrum of disease severity within the population is described.  Yes  Partly  No
- The sample size was adequate.  Yes  Partly  No
- The demographic characteristics of the sample are presented.  Yes  Partly  No
- Participants in the study are similar to patients in your practice.  Yes  Partly  No
- The sample includes subjects with and without the condition.  Yes  Partly  No
- All subjects received both the new test and the reference standard test.  Yes  Partly  No
- The results of the test will facilitate the management of your patient(s).  Yes  Partly  No

Calculations:

		<b>Condition</b>		
		<i>per Gold Standard</i>		
		Present	Absent	
<b>Test Result</b>	Positive	_____ a	_____ b	_____ a + b
	Negative	_____ c	_____ d	_____ c + d
		_____ a + c	_____ b + d	_____ a + b + c + d

- Sensitivity \_\_\_\_\_  $a/(a + c)$
- Specificity \_\_\_\_\_  $d/(b + d)$
- Predictive Value Positive \_\_\_\_\_  $a/(a + b)$
- Predictive Value Negative \_\_\_\_\_  $d/(c + d)$
- Likelihood Ratio + \_\_\_\_\_  $\text{sensitivity}/(1-\text{specificity})$
- Likelihood Ratio - \_\_\_\_\_  $(1-\text{sensitivity})/\text{specificity}$

Overall impression about the trustworthiness of this article:

- Good** – Accept all or most of the article’s findings.
- Fair** – Cautiously accept some of its findings.
- Poor** – Do not accept any of its findings.

Key points to consider: \_\_\_\_\_

\_\_\_\_\_

If acceptable, how will I apply the results to my patient/practice? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_