STARD checklist for reporting of studies of diagnostic accuracy (version January 2003)

Section and Topic	Item #		On page #
TITLE/ABSTRACT/ KEYWORDS	1	Identify the article as a study of diagnostic accuracy (recommend MeSH heading 'sensitivity and specificity').	Yes, in Title
INTRODUCTION	2	State the research questions or study aims, such as estimating diagnostic accuracy or comparing accuracy between tests or across participant groups.	Yes, in Introductio n section
METHODS		910465.	11 30001011
Participants	3	The study population: The inclusion and exclusion criteria, setting and locations where data were collected.	Yes, in Materials and Methods section
	4	Participant recruitment: Was recruitment based on presenting symptoms, results from previous tests, or the fact that the participants had received the index tests or the reference standard?	Neither
	5	Participant sampling: Was the study population a consecutive series of participants defined by the selection criteria in item 3 and 4? If not, specify how participants were further selected.	Yes
	6	Data collection: Was data collection planned before the index test and reference standard were performed (prospective study) or after (retrospective study)?	Prospective
Test methods	7	The reference standard and its rationale.	Yes, in Materials and Methods section
	8	Technical specifications of material and methods involved including how and when measurements were taken, and/or cite references for index tests and reference standard.	Yes, in Materials and Methods section
	9	Definition of and rationale for the units, cut-offs and/or categories of the results of the index tests and the reference standard.	Materials and Methods
	10	The number, training and expertise of the persons executing and reading the index tests and the reference standard.	section Yes, in Materials and Methods
	11	Whether or not the readers of the index tests and reference standard were blind (masked) to the results of the other test and describe any other clinical information available to the readers.	section The reader was blinded
Statistical methods	12	Methods for calculating or comparing measures of diagnostic accuracy, and the statistical methods used to quantify uncertainty (e.g. 95% confidence intervals).	Yes, in Materials and Methods section
	13	Methods for calculating test reproducibility, if done.	Not done.
RESULTS		3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Participants	14	When study was performed, including beginning and end dates of recruitment.	Yes, in Materials and Methods section
	15	Clinical and demographic characteristics of the study population (at least information on age, gender, spectrum of presenting symptoms).	Table 1
	16	The number of participants satisfying the criteria for inclusion who did or did not undergo the index tests and/or the reference standard; describe why participants failed to undergo either test (a flow diagram is strongly recommended).	Figure 3

Tost results	17	Time interval between the index tests and the reference standard, and	N/A
Test results	17	Time-interval between the index tests and the reference standard, and	IN/A
		any treatment administered in between.	
	18	Distribution of severity of disease (define criteria) in those with the target	N/A
		condition; other diagnoses in participants without the target condition.	
	19	A cross tabulation of the results of the index tests (including	Figure 3
		indeterminate and missing results) by the results of the reference	
		standard; for continuous results, the distribution of the test results by the	
		results of the reference standard.	
	20	Any adverse events from performing the index tests or the reference	N/A
		standard.	
Estimates	21	Estimates of diagnostic accuracy and measures of statistical uncertainty	Table 3
		(e.g. 95% confidence intervals).	
	22	How indeterminate results, missing data and outliers of the index tests	Yes, in
		were handled.	Results
			section
	23	Estimates of variability of diagnostic accuracy between subgroups of	Tables 2, 3,
		participants, readers or centers, if done.	S1, S2
	24	Estimates of test reproducibility, if done.	Not done
DISCUSSION	25	Discuss the clinical applicability of the study findings.	Yes, in
			Discussion
			section