

Appendix Table F3. Quality Assessment of Diagnostic Accuracy Studies (QUADAS)^{66,67}

Criteria* reference	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Digesu, 2003 ⁸⁸	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Khan, 2004 ⁸⁹	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	yes	not relevant	yes	yes
Versi, 1996 ⁷⁰	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	no
Sandvik, 1995 ⁷¹	no	unclear	yes	unclear	yes	yes	no	yes	unclear	yes	yes	not relevant	yes	no
Clarke, 1997 ⁷²	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Jarvis, 1980 ⁷³	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Hilton, 1981 ⁷⁴	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Dundiff, 1997 ⁷⁵	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Brown, 2006 ⁷⁶	yes	yes	yes	unclear	yes	no	no	yes	unclear	yes	yes	not relevant	yes	yes
Costantini, 2008 ⁷⁷	no	yes	no	unclear	yes	yes	yes	yes	unclear	yes	unclear	not relevant	yes	yes
Ishiko, 2000 ⁷⁸	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Shepherd, 1982 ⁷⁹	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	not relevant	yes	yes
Versi, 1988 ⁸⁰	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Bradley, 2005 ⁸¹	no	yes	yes	unclear	yes	yes	no	yes	no	yes	unclear	not relevant	yes	yes
FitzGerald, 2002 ⁸²	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Sand, 1988 ⁸³	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Cantor, 1980 ⁸⁴	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Valente, 1988 ⁸⁵	no	no	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Hastie, 1989 ⁸⁶	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Bent, 1983 ⁸⁷	no	unclear	yes	unclear	yes	yes	no	yes	no	yes	unclear	not relevant	no	yes
De Muylder, 1992 ⁸⁸	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Farrar, 1975 ⁸⁹	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Lagro-Janssen, 1991 ⁹⁰	yes	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Ouslander, 1987 ⁹¹	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Bergman, 1990 ⁹²	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Haylen, 1989 ⁹³	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Versi, 1986 ⁹⁴	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Bates, 1973 ⁹⁵	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Arnold, 1973 ⁹⁶	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Moolgaoker, 1972 ⁹⁷	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Warrell, 1965 ⁹⁸	unclear	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Klinge, 2002 ⁹⁹	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Niecestro, 1992 ¹⁰⁰	no	yes	no	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Diokno, 1990 ¹⁰¹	yes	unclear	no	unclear	yes	yes	no	yes	no	yes	unclear	not relevant	yes	yes
Tyagi, 2010 ¹⁰²	no	yes	yes	unclear	unclear	yes	yes	yes	yes	yes	unclear	not relevant	yes	no
Thiede, 1987 ¹⁰³	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Awad, 1983 ¹⁰⁴	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes

Appendix Table F3. Quality Assessment of Diagnostic Accuracy Studies (QUADAS)^{66,67} (continued)

Criteria* reference	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
Glezerman, 1986 ¹⁰⁵	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Walters, 1988 ¹⁰⁶	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Versi, 1991 ¹⁰⁷	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Bump, 2003 ¹⁰⁸	unclear	yes	yes	unclear	unclear	yes	yes	yes	yes	yes	yes	yes	not relevant	yes	unclear
Yalcin, 2004 ¹⁰⁹	unclear	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not relevant	yes	unclear
Videla, 1998 ¹¹⁰	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Dinokno, 1999 ¹¹¹	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	yes	not relevant	yes	yes
Lemack, 1999 ¹¹²	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Ramsay, 1995 ¹¹³	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	yes	not relevant	yes	yes
Ramsay, 1993 ¹¹⁴	unclear	yes	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Montz, 1986 ¹¹⁵	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	yes	not relevant	yes	yes
Haeusler, 1995 ¹¹⁶	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Nager, 2007 ¹¹⁷	unclear	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Matharu, 2005 ¹¹⁸	no	unclear	yes	no	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Coyne, 2005 ¹¹⁹	yes	yes	no	unclear	yes	yes	no	yes	no	yes	yes	unclear	not relevant	yes	yes
Lukacz, 2005 ¹²⁰	no	unclear	no	unclear	yes	yes	no	yes	yes	yes	yes	yes	not relevant	unclear	yes
Diokno, 1990 ¹⁰¹	yes	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Fischer-Rasmussen, 1986 ¹²¹	no	unclear	yes	unclear	yes	yes	unclear	yes	unclear	yes	unclear	unclear	not relevant	yes	yes
Summitt, 1992 ¹²²	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Griffiths, 1992 ¹²³	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Chen, 1997 ¹²⁴	no	no	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Kiilholma, 1994 ¹²⁵	unclear	no	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Contreras Ortiz, 1993 ¹²⁶	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Bergman, 1988 ¹²⁷	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	not relevant	yes	yes
Bergman, 1988 ¹²⁸	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Bergman, 1987 ¹²⁹	no	yes	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Klovning, 1996 ¹³⁰	no	no	yes	unclear	yes	yes	yes	yes	yes	yes	yes	yes	not relevant	yes	yes
Sunshine, 1989 ¹³¹	unclear	no	yes	no	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Kujansuu, 1982 ¹³²	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Diokno, 1987 ¹³³	no	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Korda, 1987 ¹³⁴	unclear	unclear	yes	unclear	yes	yes	yes	yes	yes	yes	yes	unclear	not relevant	yes	yes
Quinn, 1989 ¹³⁵	no	unclear	yes	unclear	yes	yes	unclear	yes	unclear	yes	yes	yes	not relevant	no	yes

***QUADAS Criteria**

- (1) Was the spectrum of patient's representative of the patients who will receive the test in practice?
- (2) Were the selection criteria clearly described?
- (3) Is the reference standard likely to correctly classify the target intervention?

Used Codes

- Yes if community or primary care; no if others; unclear if not specified
- Yes if inclusion and exclusion criteria exist; unclear if missing one of them; no if missing both
- Yes if UD or clinical diagnosis; no if others

Criteria* reference	1	2	3	4	5	6	7	8	9	10	11	12	13	14
(4) Is the time period between reference standard and index test short enough to be reasonably sure the target condition did not change between the two tests?							Yes if no more than 2 weeks, no if more than 2 weeks, unclear if unknown							
(5) Did the whole sample or a random selection of the sample receive verification using a reference standard of diagnosis?							Yes if random selection or no sampling; no if non-random selection; unclear is unknown							
(6) Did the patients receive the same reference standard regardless of the index test?							Yes if all received gold standard method							
(7) Was the reference standard independent of the index test (i.e., the index test did not form part of the reference standard)?							Yes if UD as gold standard; no if clinical diagnosis							
(8) Was the execution of the index test described in sufficient detail to permit replication of the test?							All yes (inclusion criteria of the studies)							
(9) Was the execution of the reference standard described in sufficient detail to permit its replication?							Y if UD or ICS; unclear if clinical diagnosis without clear definitions							
(10) Were the index test results interpreted without knowledge of the results of the reference standard?							All yes							
(11) Were the reference standard results interpreted without knowledge of the index test?							Yes if blinding, no if not blinding; unclear if not mentioned							
(12) Were the same clinical data available when test results were interpreted as would be available when the test is used in practice?							Not relevant-omitted from quality assessment as Whiting's suggestions ⁶⁶							
(13) Were uninterpretable/intermediate test results reported?							No if the results did not have mixed UI							
(14) Were withdrawals for the study explained?							No if there are withdraw cases							