Automatic Migraine Classification Using Artificial Neural Networks

Checking using STARD

Section & Topic	No	Item	Reported on page #
TITLE OR			
ABSTRACT			
	1	Identification as a study of diagnostic accuracy using at least one measure	Tittle ("classification" is used to indicate
		of accuracy	the type of study, and "neural networks" to indicate the technique)
		(such as sensitivity, specificity, predictive values, or AUC)	to maleate the teerinque,
ABSTRACT			
	2	Structured summary of study design, methods, results, and conclusions	Abstract
		(for specific guidance, see STARD for Abstracts)	
INTRODUCTION			
	3	Scientific and clinical background, including the intended use and clinical	Introduction
	_	role of the index test	
	4	Study objectives and hypotheses	Introduction
METHODS	_		
Study design	5	Whether data collection was planned before the index test and reference	Migraine classification results. Population
		standard	Population
		were performed (prospective study) or after (retrospective study)	
Participants	6	Eligibility criteria	Migraine classification results. Population
	7	On what basis potentially eligible participants were identified	Migraine classification results. Table 1
	-	(such as symptoms, results from previous tests, inclusion in registry)	
	8	Where and when potentially eligible participants were identified (setting,	Migraine classification results.
		location and dates)	Population
	9	Whether participants formed a consecutive, random or convenience	Migraine classification results.
		series	Population
Test methods	10a	Index test, in sufficient detail to allow replication	Migraine classification results. Procedure
	10b	Reference standard, in sufficient detail to allow replication	Migraine classification results. Procedure
	11	Rationale for choosing the reference standard (if alternatives exist)	Migraine classification results. Procedure
	12a	Definition of and rationale for test positivity cut-offs or result categories	NA
		of the index test, distinguishing pre-specified from exploratory	
	12b	Definition of and rationale for test positivity cut-offs or result categories	Proposed methodology for migraine
		of the reference standard, distinguishing pre-specified from exploratory	classification. Interpretation (Accuracy
			and Precision)
	13a	Whether clinical information and reference standard results were	Bd and code
		available	https://doi.org/10.24433/CO.2826453.v2
		to the performers/readers of the index test	
	13b	Whether clinical information and index test results were available	NA
A	4 -	to the assessors of the reference standard	D
Analysis	14	Methods for estimating or comparing measures of diagnostic accuracy	Proposed methodology for migraine
			classification. Interpretation (Accuracy and Precision)
	15	How indeterminate index test or reference standard results were handled	NA
	16	How missing data on the index test and reference standard were handled	NA
	17	Any analyses of variability in diagnostic accuracy, distinguishing pre-	Proposed methodology for migraine
		specified from exploratory	classification
	18	Intended sample size and how it was determined	Migraine classification results.
	-		Population
RESULTS			
Participants	19	Flow of participants, using a diagram	NA



	20	Baseline demographic and clinical characteristics of participants	Migraine classification results. Population
	21a	Distribution of severity of disease in those with the target condition	Migraine classification results. Procedure. Fig. 3
	21b	Distribution of alternative diagnoses in those without the target condition	NA
	22	Time interval and any clinical interventions between index test and reference standard	NA
Test results	23	Cross tabulation of the index test results (or their distribution) by the results of the reference standard	Results and discussion. Table 2
	24	Estimates of diagnostic accuracy and their precision (such as 95% confidence intervals)	Results and discussion. Table 2
	25	Any adverse events from performing the index test or the reference standard	NA
DISCUSSION			
	26	Study limitations, including sources of potential bias, statistical uncertainty, and generalisability	NA
	27	Implications for practice, including the intended use and clinical role of the index test	Results and discussion
OTHER INFORMATION			
	28	Registration number and name of registry	NA
	29	Where the full study protocol can be accessed	NA
	30	Sources of funding and other support; role of funders	NA

