

Table S1. Estimated OR and 95% CI of pairwise meta-analysis for diagnostic tests for GERD.

Comparisons	Outcome	Heterogeneity test		Pairwise Meta-Analysis	
		I^2	P_h	OR (95% CI)	AUROC
A vs B	Sensitivity	58.05 [11.84 - 100.00]	0.07	0.84 [0.75 - 0.90]	0.89 [0.86 - 0.91]
	Specificity	43.24 [0.00 - 100.00]	0.15	0.86 [0.81 - 0.90]	
	Positive likelihood ratio	0.00 [0.00 - 100.00]	0.13	5.99 [4.25 - 8.44]	
	Negative likelihood ratio	49.21 [0.00 - 100.00]	0.12	0.19 [0.12 - 0.30]	
	Diagnostic odds ratio	43.96 [0.00 - 100.00]	0.15	3.46 [2.78 - 4.14]	
A vs E	Sensitivity	90.10 [82.01 - 98.19]	0.00	31.81 [16.15 - 62.67]	0.67 [0.63 - 0.71]
	Specificity	96.91 [95.50 - 98.31]	0.00	0.65 [0.55 - 0.74]	
	Positive likelihood ratio	98.26 [97.60 - 98.92]	0.00	0.61 [0.48 - 0.73]	
	Negative likelihood ratio	97.82 [97.82 - 98.99]	0.00	1.66 [1.27 - 2.18]	
	Diagnostic odds ratio	97.21 [95.98 - 98.44]	0.00	0.58 [0.46 - 0.73]	
A vs F	Sensitivity	97.49 [96.42 - 98.56]	0.00	1.06 [0.59 - 1.52]	0.70 [0.66 - 0.74]
	Specificity	100.00 [100.00 - 100.00]	0.00	2.88 [1.81 - 4.59]	
	Positive likelihood ratio	83.64 [77.75 - 89.54]	0.00	0.77 [0.71 - 0.82]	
	Negative likelihood ratio	83.92 [78.15 - 89.69]	0.00	0.48 [0.39 - 0.57]	
	Diagnostic odds ratio	72.00 [72.00 - 87.49]	0.00	1.49 [1.27 - 1.75]	

A= esophageal pH/pH impedance monitoring and/or endoscopy; B= baseline impedance; C= salivary pepsin; D=DIS; E=GERDQ; F=PPI test; G=mucosal impedance.

GERD, gastroesophageal reflux disease; GERDQ, gastroesophageal reflux disease questionnaire; AET, acid exposure time; SAP, symptom association probability; SI, symptom index; MNBI, mean nocturnal baseline impedance; PPI, proton pump inhibitor; DIS, dilated intercellular space. OR, odds ratio. AUROC, area under receiver operating characteristic curve.