

Supplementary

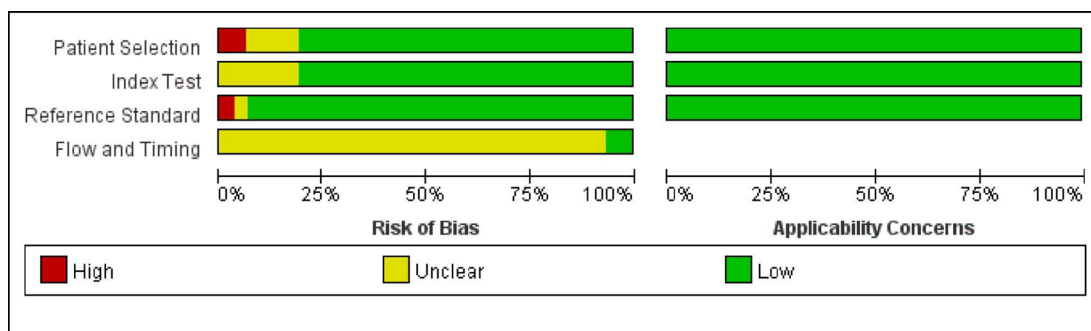


Figure S1 Bar charts for Quality Assessment of Diagnostic Accuracy Studies-2 (QUADAS-2) analysis for 31 studies of diagnostic accuracy.

Table S1 Quality evaluation

Study	Risk of bias				Applicability concerns		
	Patient selection	Index test	Reference standard	Flow and timing	Patient selection	Index test	Reference standard
Zhou, 2010	H	U	H	U	L	L	L
Chen, 2011	L	L	U	U	L	L	L
Wang, 2012	L	L	H	U	L	L	L
Wang, 2012	H	U	L	U	L	L	L
Zhu, 2013	U	U	L	U	L	L	L
Chen, 2013	L	L	L	U	L	L	L
Li, 2014	L	L	L	U	L	L	L
Cheng, 2014	L	U	L	U	L	L	L
Yang, 2014	L	U	L	U	L	L	L
Shen, 2015	L	U	L	U	L	L	L
Min, 2015	L	L	L	U	L	L	L
Zhong, 2016	L	U	L	U	L	L	L
Cheng, 2016	L	L	L	U	L	L	L
Kuang, 2016	U	L	L	U	L	L	L
He, 2016	U	L	L	U	L	L	L
Dai, 2016	U	L	L	U	L	L	L
Zhu, 2017	L	L	L	U	L	L	L
Wei, 2017	U	L	L	U	L	L	L
Huang, 2017	U	L	L	L	L	L	L
Yan, 2018	H	L	L	U	L	L	L
Yan, 2018	L	L	L	U	L	L	L
Du, 2018	L	L	L	U	L	L	L
Zeng, 2018	L	L	L	U	L	L	L
Huang, 2018	L	L	L	L	L	L	L
Xu, 2018	L	L	L	U	L	L	L
Zhang, 2018	L	L	L	U	L	L	L
Xu, 2019	L	L	L	U	L	L	L
Pan, 2019	L	L	L	U	L	L	L
Zhang, 2019	L	L	L	U	L	L	L
Wu, 2022	L	L	L	U	L	L	L
Wang, 2022	L	L	L	U	L	L	L

H, high; L, low; U, unclear.

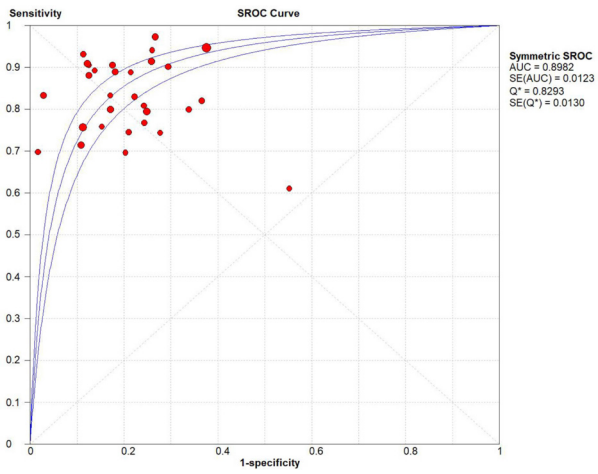


Figure S2 The ROC curve for HHUS in the diagnosis of breast cancer.

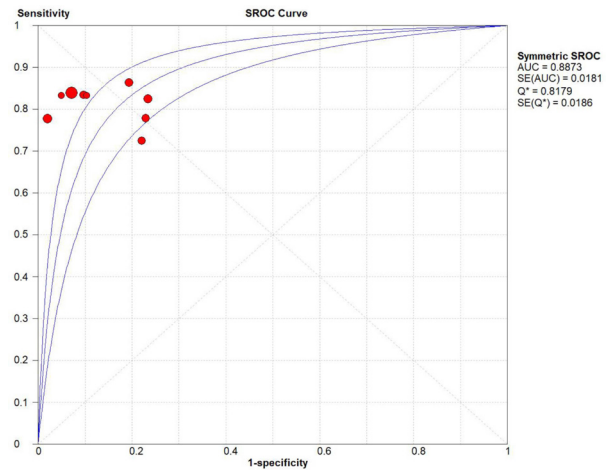


Figure S4 The ROC curve for molybdenum-target mammography in the diagnosis of breast cancer.

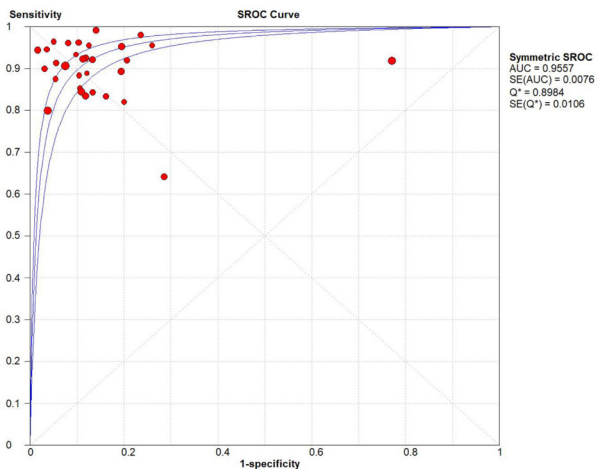


Figure S3 The ROC curve for ABVS in the diagnosis of breast cancer.

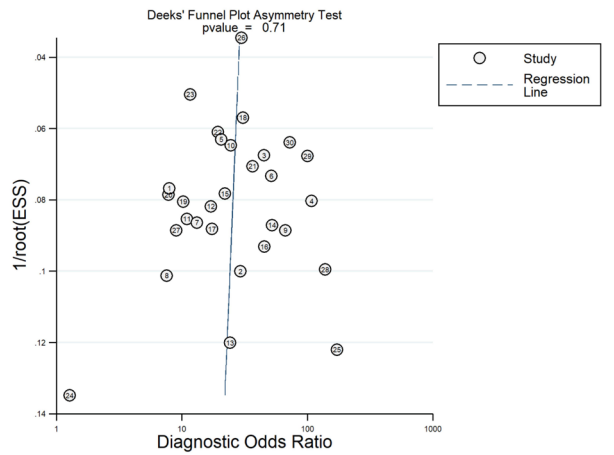


Figure S5 The funnel plot of HHUS in the diagnosis of breast cancer.