

**Table S1** Detailed search strategies

No.	Search strategies
PubMed (search date: March 17, 2024)	
#1	"acute coronary syndrome"[All Fields] OR "ACS"[All Fields] OR "myocardial infarction"[All Fields] OR "AMI"[All Fields] OR "angina"[All Fields]
#2	"microRNA-21"[All Fields] OR "miR-21"[All Fields]
#3	#1 AND #2
EMBASE (search date: March 17, 2024)	
#1	"acute coronary syndrome" OR "ACS" OR "myocardial infarction" OR "AMI" OR "angina"
#2	"microRNA-21" OR "miR-21"
#3	#1 AND #2
CENTRAL (search date: March 17, 2024)	
#1	"acute coronary syndrome" OR "ACS" OR "myocardial infarction" OR "AMI" OR "angina"
#2	"microRNA-21" OR "miR-21"
#3	#1 AND #2

**Table S2** Risk of bias and applicability concern based on QUADAS-2

Study	Risk of bias				Applicability concerns		
	Patient selection	Index test	Reference standard	Flow and timing	Patient selection	Index test	Reference standard
Xu [2023]	H	?	L	L	H	L	L
Biener [2021]	H	L	L	L	H	L	L
Kumar [2020]	H	L	L	L	H	L	L
Ling [2020]	H	?	L	L	H	L	L
Gao [2019]	H	L	L	L	H	L	L
Darabi [2017]	L	L	L	L	L	L	L
Liu [2017]	L	L	L	L	L	L	L
Zhang [2016]	L	L	L	L	L	L	L
Wang [2014]	H	?	L	L	H	L	L
Ren [2013]	L	?	L	L	L	L	L
Oerlemans [2012]	L	L	L	L	L	L	L

H = high risk/concern; L = low risk/concern; ? = unclear risk/concern. QUADAS-2, Quality Assessment of Diagnostic Accuracy Studies-2.