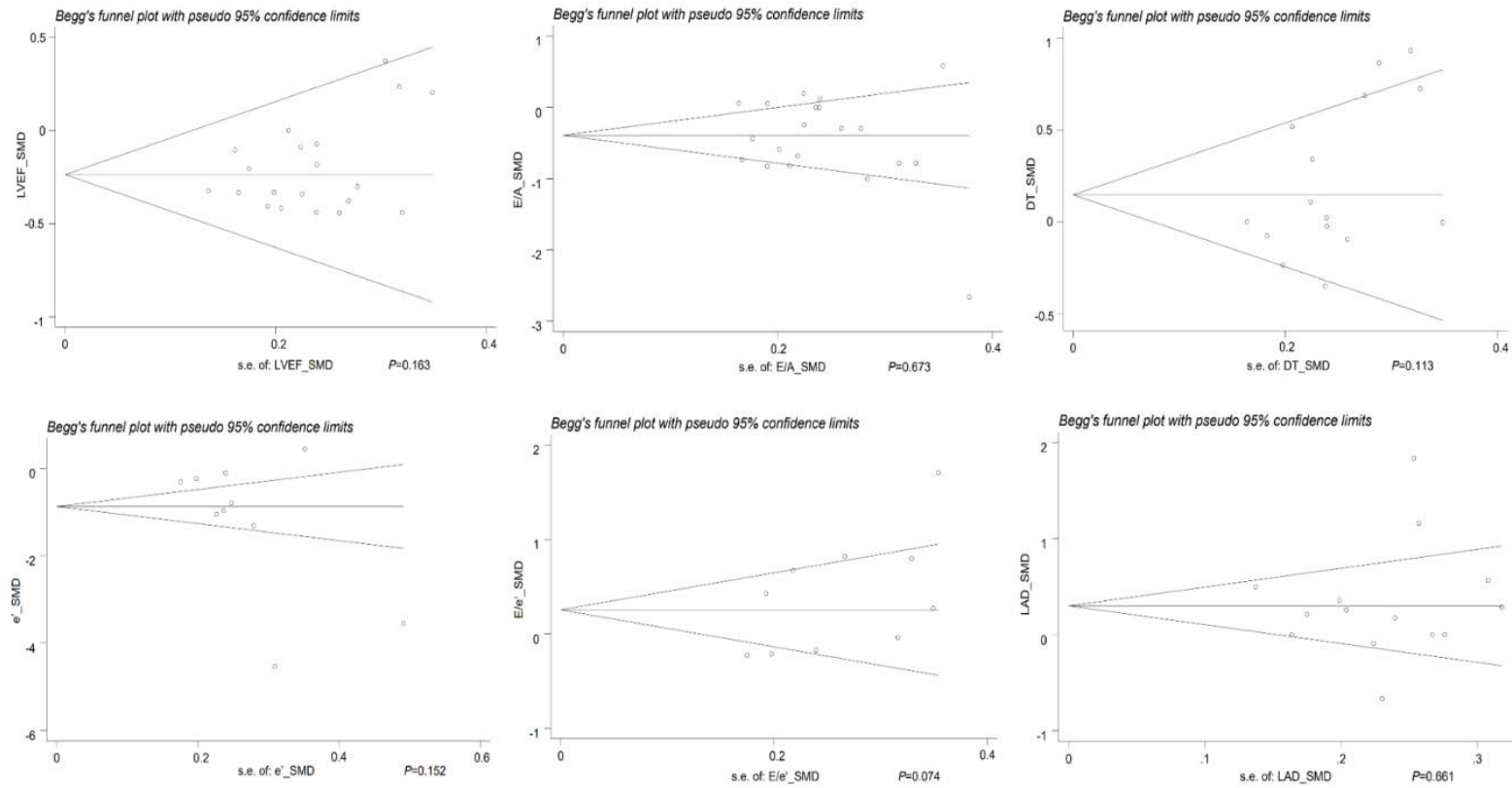


Supplemental Material



Figures S1. The funnel plots of Begg's test. SMD: standardized mean difference; LVEF, left ventricular ejection fraction; E/A, early-to-late velocity ratio; DT, deceleration time of the mitral E-wave; e' , peak early diastolic mitral annular velocity; LAD, left atrial diameter.

Table S1A. The results of meta-regression analysis of study characteristic

Parameter		Year	Country	Blind	Mean TFC	Vendor
E/A	P	0.135	0.653	0.064	0.415	0.893
DT	P	0.176	0.012	0.505	0.505	0.905
e'	P	<0.001	0.026	0.203	0.107	0.860
E/e'	P	0.006	0.597	0.402	0.197	0.58
LAD	P	1	0.393	0.614	0.193	0.778

TFC, thrombolysis in myocardial infarction frame count; E/A, early-to-late velocity ratio; DT, deceleration time of the mitral E-wave; e', peak early diastolic mitral annular velocity; LAD, left atrial diameter

Table S1B. The results of meta-regression analysis of CSF group

Parameter		Age	Male%	HR	SBP	DBP	HTN%	BMI	Mean TFC	Sample Size
E/A	P	0.655	0.405	0.329	0.014	0.293	0.248	0.525	0.947	0.857
DT	P	0.274	0.389	0.186	0.572	0.975	0.096	0.240	0.834	0.217
e'	P	0.912	0.064	0.095	0.427	0.063	0.494	0.973	0.688	0.189
E/e'	P	0.503	0.485	0.013	0.989	0.209	0.236	0.499	0.154	0.814
LAD	P	0.502	0.095	0.347	0.127	0.222	0.407	0.217	0.610	0.997

CSF, coronary slow flow; CI: confidence interval; TFC, thrombolysis in myocardial infarction frame count; HR, heart rate; SBP, systolic blood pressure; DBP, diastolic blood pressure; HTN, hypertension; BMI, Body Mass Index; E/A, early-to-late velocity ratio; DT, deceleration time of the mitral E-wave; e', peak early diastolic mitral annular velocity; LAD, left atrial diameter

Table S1C. The results of meta-regression analysis of control group

Parameter		Age	Male	HR	SBP	DBP	HTN	BMI	Mean TFC	Sample Size
E/A	P	0.285	0.766	0.243	0.035	0.127	0.171	0.709	0.435	0.091
DT	P	0.372	0.304	0.269	0.093	0.634	0.922	0.551	0.826	0.707
e'	P	0.469	0.273	0.385	0.985	0.382	0.162	0.961	0.982	0.685
E/e'	P	0.104	0.011	0.072	0.194	0.022	0.206	0.362	0.411	0.095
LAD	P	0.198	0.548	0.378	0.830	0.814	0.883	0.093	0.943	0.548

TFC, thrombolysis in myocardial infarction frame count; HR, heart rate; SBP, systolic blood pressure; DBP, diastolic blood pressure; HTN, hypertension; BMI, Body Mass Index; E/A, early-to-late velocity ratio; DT, deceleration time of the mitral E-wave; e', peak early diastolic mitral annular velocity; LAD, left atrial diameter

Table S2. Meta-analysis of the correlation coefficient

Parameter	Studies, n	<i>r</i>	95% CI	<i>P</i>
E	2	-0.21	-0.52~0.14	0.23
E/A	3	-0.31	-0.56~0.003	0.05
E/e'	3	0.36	0.19~0.50	<0.001
GLS	3	-0.44	-0.67~-0.20	0.006
MPI	2	0.41	0.20~0.59	<0.001

r, correlation coefficient; CI: confidence interval

GLS, global longitudinal strain; MPI, myocardial performance index.

Table S3. Subgroup analysis according to the mean TFC

Parameters	Mean TFC	N	Q	<i>I</i> ² , %	SMD	95% CI
LVEF	>39	11	8.01	0.00	-0.285	-0.413 ~ -0.156
	≤39	8	5.14	0.00	-0.196	-0.338 ~ -0.055
	Pooled	20	15.6	0.00	-0.236	-0.330 ~ -0.142
GLS	>39	2	3.2	68.7	-1.543	-2.138 ~ -0.948
	≤39	4	15.33	80.4	-0.640	-1.195 ~ -0.084
	Pooled	7	116.59	94.9	-1.345	-2.150 ~ -0.541
E/A	>39	11	37.68	73.5	-0.312	-0.569 ~ -0.055
	≤39	6	9.17	45.5	-0.424	-0.667 ~ -0.182
	Pooled	20	98.22	80.7	-0.432	-0.661 ~ -0.203
EDT	>39	8	18.62	62.4	0.341	0.071 ~ 0.611
	≤39	5	10.78	62.9	0.053	-0.293 ~ 0.398
	Pooled	15	35.52	60.6	0.192	-0.000 ~ 0.384
e'	>39	4	107.2	97.2	-2.528	-4.353 ~ -0.703
	≤39	5	15.65	74.4	-0.520	-0.889 ~ -0.151
	Pooled	10	219.57	95.9	-1.207	-1.976 ~ -0.439
E/e'	>39	3	10.13	80.2	0.934	0.258 ~ 1.609
	≤39	6	18.55	73.0	0.107	-0.255 ~ 0.470
	Pooled	10	45.87	80.4	0.370	0.023 ~ 0.716
LAD	>39	7	31.62	81.0	0.176	-0.224 ~ 0.576
	≤39	7	39.53	84.8	0.460	0.065 ~ 0.856
	Pooled	14	78.07	83.3	0.321	0.040 ~ 0.602

TFC, thrombolysis in myocardial infarction frame count; N, number of the studies; SMD: standardized mean difference; CI: confidence interval; LVEF, left ventricular ejection fraction; GLS, global longitudinal strain; E/A, early-to-late velocity ratio; EDT, deceleration time of the mitral E-wave; e', peak early diastolic mitral annular velocity; LAD, left atrial diameter