Supplemental material

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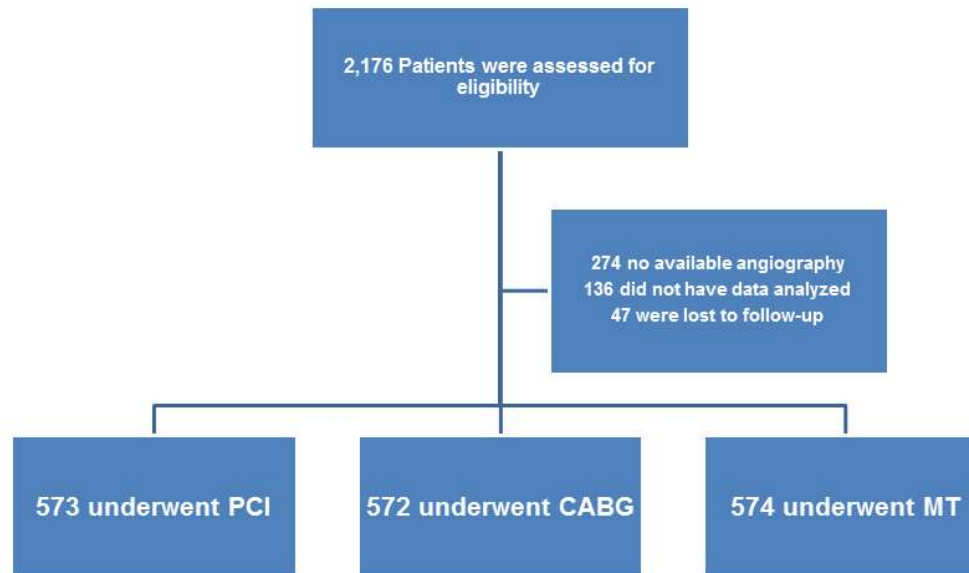*BMJ Open*

Supplementary Material

Figure S1. **Enrollment of Patients With Coronary Artery Disease in the MASS Database.**

Table S1. **Inclusion and Exclusion Criteria.**

Table S2. **SYNTAX scores subgroups definition.**

Table S3. **Kaplan-Meier Estimates of Events at 5 Years by SYNTAX Scores Categories and Treatment Arm.**

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Figure S1. **Enrollment of Patients With Coronary Artery Disease in the MASS Database.**

Flowchart for patients included in the MASS database SYNTAX scores analysis. CABG = coronary artery bypass graft; MT = medical treatment; PCI = percutaneous coronary intervention.

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Table S1. **Inclusion and exclusion criteria.**

Inclusion criteria
• Multivessel CAD (defined as stenosis ≥ 70% in at least 2 of the 3 main coronary arteries)
• Preserved LVEF
• Stable CAD
Exclusion criteria
• Refractory angina or acute MI requiring emergency revascularization
• Ventricular aneurysm requiring surgical repair
• Left ventricular ejection fraction of <40%
• Previous PCI or CABG
• Single-vessel CAD
• History of congenital heart disease, valvular heart disease, or cardiomyopathy
• Patients unable to understand or cooperate with the protocol requirements
• Left main coronary artery stenosis of ≥50%
• Suspected or known pregnancy
• Another coexisting condition that was a contraindication to CABG or PCI.

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Table S2. **SYNTAX scores subgroups definition.**

SYNTAX scores	Low	Intermediate	High
SS	≤22	23 to 32	≥33
SSII	<18.7	18.7 to 25.7	>25.7
rSS	0 to 4	>4 to 8	>8

Legend: SS = SYNTAX score; SSII = SYNTAX score II; rSS = residual SYNTAX score.

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Table S3. **Kaplan-Meier Estimates of Events at 5 Years by SYNTAX Scores Categories and Treatment Arm.**

	SS											
	PCI				CABG				MT			
	Low	Intermediate	High	Log-rank p Value	Low	Intermediate	High	Log-rank p Value	Low	Intermediate	High	Log-rank p Value
Death	6.5	6.8	4.3	0.745	5.7	8.0	12.1	0.194	6.8	6.9	6.5	0.993
MACCE	27.1	34.8	42.9	0.122	15.9	19.1	20.3	0.620	24.3	28.5	25.8	0.580
Cardiac death	2.1	3.1	0	0.746	1.8	2.3	0	0.429	2.5	2.9	6.4	0.463
MI	5.7	9.4	0	0.268	7.2	6.3	1.3	0.208	7.2	9.7	6.5	0.510
Stroke	2.4	3.8	28.6	<0.001	2.7	4.7	7.4	0.257	1.9	3.5	3.2	0.550
Further revascularization	18.6	22.6	14.3	0.549	5.5	5.6	1.5	0.353	18.0	18.2	19.8	0.981

	SSII											
	PCI				CABG				MT			
	Low	Intermediate	High	Log-rank p Value	Low	Intermediate	High	Log-rank p Value	Low	Intermediate	High	Log-rank p Value
Death	1.7	4.6	8.9	0.046	1.8	9.8	10.2	0.004	5.0	4.7	10.8	0.031
MACCE	18.7	28.4	31.4	0.132	11.6	20.3	20.8	0.042	23.3	24.7	29.2	0.447
Cardiac death	0	2.0	2.9	0.381	0	1.3	3.3	0.052	1.8	3.0	4.0	0.468
MI	6.9	5.6	6.9	0.884	4.3	6.9	6.7	0.540	6.0	9.5	9.0	0.375
Stroke	1.7	1.6	4.3	0.185	1.8	5.6	5.2	0.200	1.4	1.8	4.5	0.114
Further revascularization	15.4	20.3	19.6	0.687	6.2	5.5	3.8	0.601	19.1	19.9	15.2	0.468

	rSS											
	PCI				CABG				MT			
	Low	Intermediate	High	Log-rank p Value	Low	Intermediate	High	Log-rank p Value	Low	Intermediate	High	Log-rank p Value
Death	9.5	4.8	6.5	0.241	5.1	10.1	11.2	0.051	-	0	7.1	0.227
MACCE	27.8	29.8	29.3	0.916	15.1	19.7	23.1	0.164	-	10.0	26.2	0.121
Cardiac death	2.4	1.6	2.9	0.686	1.0	2.0	3.8	0.195	-	0	2.9	0.440
MI	8.3	7.4	5.0	0.416	6.5	4.6	6.6	0.725	-	5.0	8.1	0.624
Stroke	3.1	4.3	2.1	0.410	3.8	4.1	5.7	0.680	-	5.0	2.4	0.465
Further revascularization	16.7	20.5	20.0	0.669	4.9	5.5	4.6	0.964	-	10.0	17.4	0.331

Values are presented as %.
Legend: MI = myocardial infarction; SS = SYNTAX score; SSII = SYNTAX score II; rSS = residual SYNTAX score.

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