

**Supplementary Table:** Three multivariable cox regression analyses adjusted for clinical variables, imaging variables (abnormal ECG, hypertensive response, and abnormal NISI), and both clinical and imaging variables, respectively, to predict primary endpoints (death, MI and significant coronary stenosis).

Variable	HR (95% CI)	P value
<b>Clinical Variable</b>		
Age, years	0.98 (0.96- 1.01)	0.23
Men, n(%)	0.93 (0.54- 1.59)	0.78
Diabetes, n(%)	2.03(1.08 – 3.82)	0.028
Hypertension, n(%)	0.72 (0.37 - 1.38)	0.32
Dyslipidemia, n(%)	0.84 (0.44-1.61)	0.60
Smoking, n(%)	0.76 (0.37- 1.59)	0.46
Family history of CAD, n(%)	0.95 (0.52- 1.72)	0.85
History CAD, n(%)	2.71 (1.37- 5.36)	0.004
HEART score = 0, n(%)	0.68 (0.34-1.12)	0.56
HEART score = 1, n(%)	0.87 (0.46-1.33)	0.34
HEART score = 2, n(%)	0.89 (0.49-1.47)	0.50
HEART score = 3, n(%)	1.44 (1.03-1.95)	0.02
<b>Imaging variables</b>		
Presence of ECG change during stress test, n(%)	3.12 (1.60 – 6.03)	0.001
HTN response, n(%)	0.11 (0.02 – 0.79)	0.096
Positive Imaging stress test, n(%)	17.19 (10.05 – 29.38)	<0.0001
<b>Clinical and imaging variables</b>		
Age (years)	0.99 (0.97 - 1.01)	0.51
Men, n(%)	0.91 (0.54 - 1.59)	0.75
Diabetes, n(%)	2.38 (1.25 - 4.49)	0.008
Hypertension, n(%)	0.61 (0.30 - 1.23)	0.17
Dyslipidemia, n(%)	1.09 (0.55 - 2.17)	0.79
Smoking, n(%)	0.89 (0.42 - 1.88)	0.75
Family history of CAD, n(%)	0.75 (0.39 - 1.41)	0.36
Previous history CAD, n(%)	2.75 (1.40 - 5.41)	0.003
HEART score = 0, n(%)	0.44 (0.31-0.89)	0.61
HEART score = 1, n(%)	0.92 (0.45 -1.33)	0.36
HEART score = 2, n(%)	0.98 (0.53 -1.42)	0.48
HEART score = 3, n(%)	1.32 (0.98 -1.57)	0.01

Presence of ECG change during stress test, n(%)	5.11 (2.61 – 10.01)	<0.0001
HTN response, n(%)	0.14 (0.18 – 1.05)	0.067
Positive Imaging stress test, n(%)	16.4 (9.56 – 28.03)	<0.0001