Table 3. Association of mean calcium density and coronary plaque area groups with ASCVD mortality

	ASCVD Mortality		
	HR (95% CI)	**P-Value**	**Overall P-Value [c]**
Model 1[a]			
Low Mean Calcium Density, Low Calcium Area	Ref	-	
High Mean Calcium Density, Low Calcium Area	0.30 (0.09, 0.98)	0.04	
Low Mean Calcium Density, High Calcium Area	1.54 (0.90, 2.65)	0.12	0.01
High Mean Calcium Density, High Calcium Area	1.50 (1.01, 2.22)	0.04	
Model 2 [b]			
Low Mean Calcium Density, Low Calcium Area	Ref	-	
High Mean Calcium Density, Low Calcium Area	0.29 (0.09, 0.95)	0.04	
Low Mean Calcium Density, High Calcium Area	1.55 (0.90, 2.66)	0.12	0.04
High Mean Calcium Density, High Calcium Area	1.20 (0.79, 1.81)	0.39	

[a] Adjusted for age, sex, race, cigarette smoking, BMI, hypertension, hyperlipidemia, diabetes, family history of CHD, and lipid-lowering medications

[b] Adjusted for age, sex, race, cigarette smoking, BMI, hypertension, hyperlipidemia, diabetes, family history of CHD, lipid-lowering medications, and Agatston CAC score

[c] Type 3 p-value testing the significance each concordance-discordance phenotype with all other phenotypes in the model

Razavi, Alexander C., et al. "Discordance Between Coronary Artery Calcium Area and Density Predicts Long-Term Atherosclerotic Cardiovascular Disease Risk." *JACC: Cardiovascular Imaging* (2022)