

## Supplementary material

**Table S1:**  
**Logistic regression of CCTA outcomes for the subgroup with combined HbA1c and OGTT-prediabetes**

	CAC=0	CAC>0	CAC>400	Plaque presence	Significant stenosis	Plaque characteristics	
						<i>Soft</i>	<i>Calcified</i>
<b>HbA1c + OGTT</b>							
HbA1c<39 (<5.7%) or NGS (ref)	...	...	...	...	...	...	...
Model 1	<b>0.6</b> (0.4;0.9)	<b>1.7</b> (1.1;2.8)	<b>2.2</b> (1.3;3.6)	1.5 (0.9;2.4)	<b>1.9</b> (1.1;3.1)	1.1 (0.7;1.8)	1.4 (0.9;2.1)
Model 2	0.7 (0.4;1.1)	1.5 (0.9;2.5)	<b>1.9</b> (1.1;3.3)	1.5 (0.9;2.4)	<b>1.7</b> (1.0;2.9)	1.0 (0.6;1.8)	1.3 (0.9;2.0)

Logistic regression analysis was used to estimate OR and 95% confidence interval (CI).

Model 1 adjusted for age and sex.

Model 2 adjusted for age, sex, body mass index, smoking status, antihypertensive- and lipid-lowering medication.

CAC= Coronary Artery Calcium, HbA1c= HemoglobinA1c, OGTT= Oral Glucose Tolerance Test, NGS= Normal glycemic status.

**Table S2:**  
**Sensitivity analysis with assumptions of plaque and stenosis presence when coronary artery calcium exceeds >1000**

	Plaque presence	Significant stenosis
<b>HbA1c</b>		
HbA1c<39 (ref)	...	...
Model 1	<b>1.6</b> (1.1;2.5)	<b>1.9</b> (1.2;3.0)
Model 2	<b>1.6</b> (1.0;2.4)	<b>1.8</b> (1.1;2.9)
<b>OGTT</b>		
NGS (ref)	...	...
Model 1	<b>1.3</b> (0.9;2.0)	<b>1.9</b> (1.0;3.3)
Model 2	<b>1.3</b> (0.9;2.0)	<b>1.7</b> (0.9;3.1)

Logistic regression analysis was used to estimate OR and 95% confidence interval (CI).

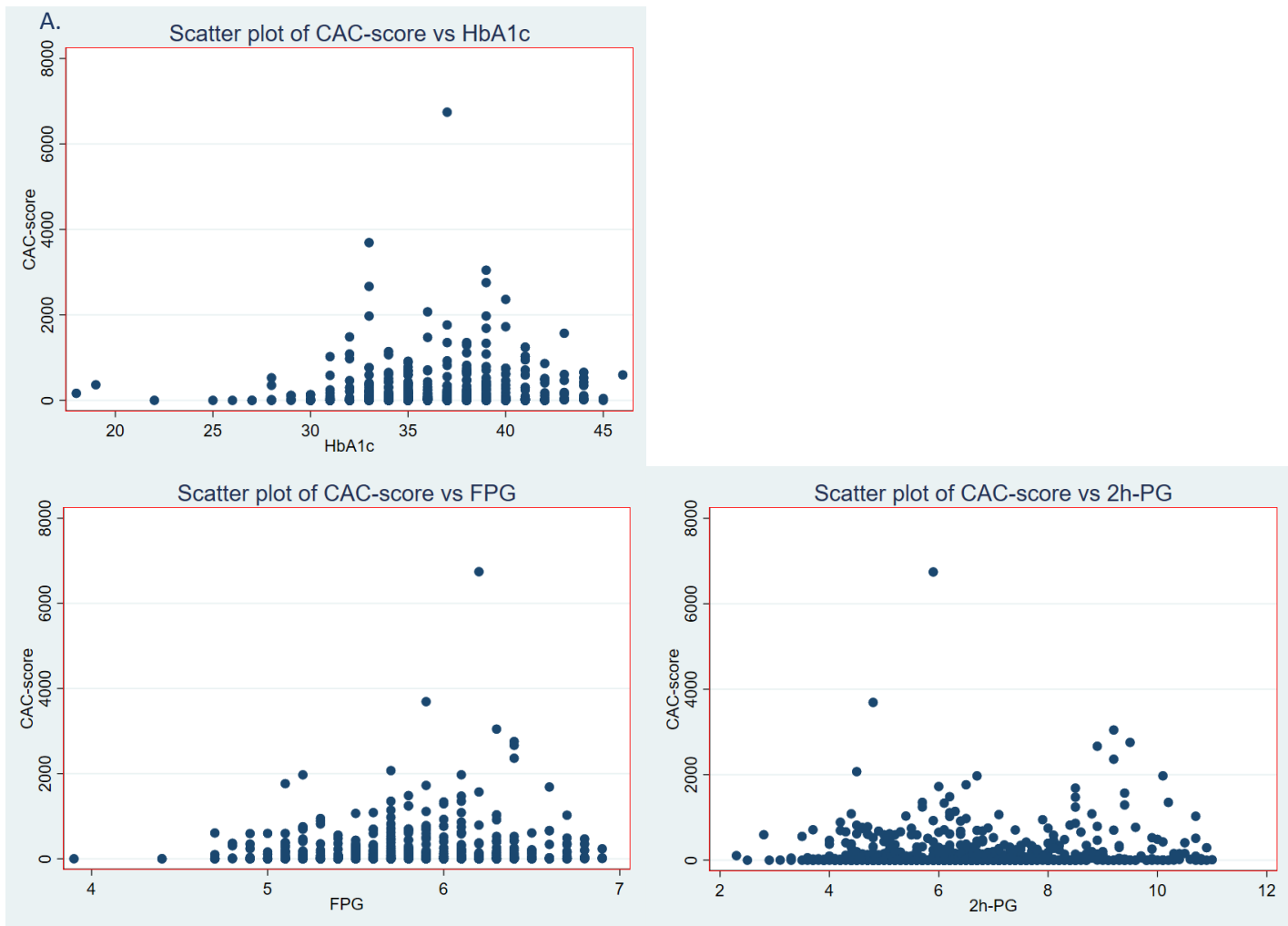
Model 1 adjusted for age and sex.

Model 2 adjusted for age, sex, body mass index, smoking status, antihypertensive- and lipid-lowering medication.

HbA1c= HemoglobinA1c, **OGTT=Oral Glucose Tolerance Test**, NGS= Normal glycemic status.

Figure S3

Scatter plot of CAC-score vs glycemic values



B.

Figure 5 displays the scatter plots of CAC-score vs the various glycemic values given in mmol/mol. Values for PG given in mmol/L. HbA1c=

FPG= Fasting Plasma Glucose, 2h-PG= 2 hour Plasma Glucose, IFG= Impaired Fasting Glucose, IGT= Impaired Glucose Tolerance

C.

values. A. HbA1c, B. FPG, C. 2h-PG. Values for HbA1c HemoglobinA1c, OGTT= Oral Glucose Tolerance Test,