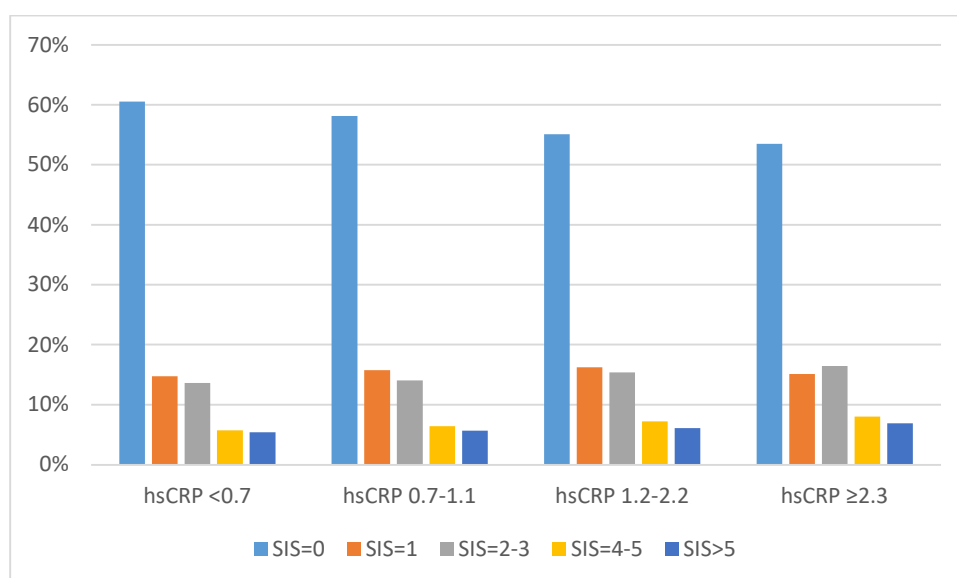


**Supplementary information for the manuscript: Association between high-sensitivity C-reactive protein and coronary atherosclerosis in a general middle-aged population**

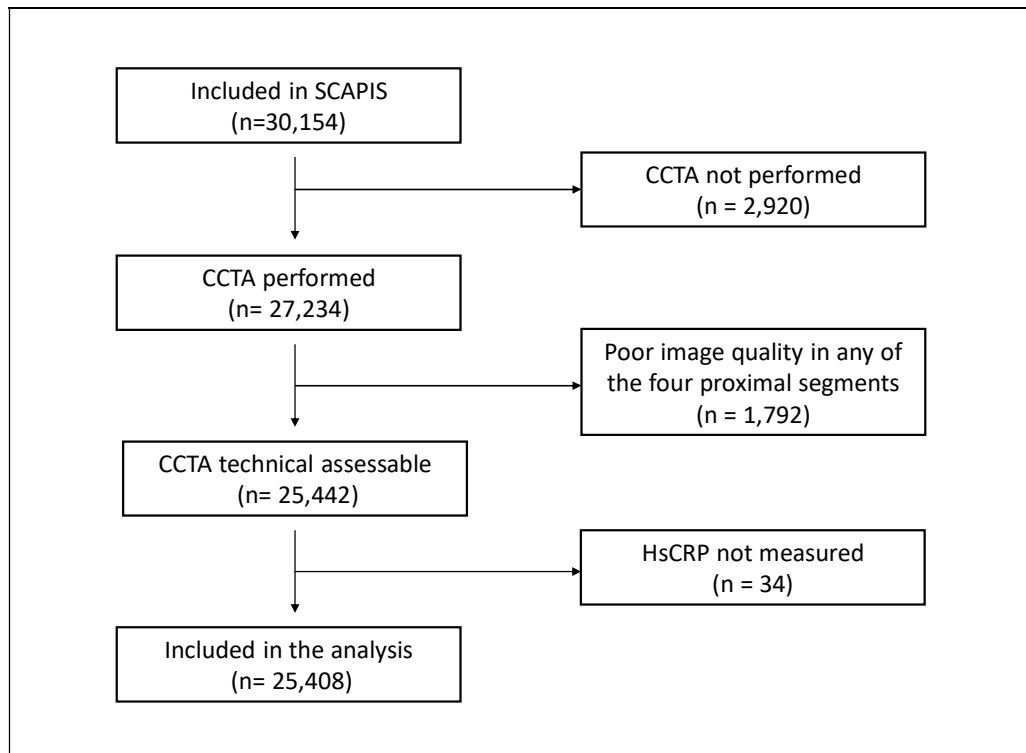
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Figure S1. Proportion of participants by segment involvement score per hsCRP strata



Proportion of participants (y-axis) by number of segments involved per hsCRP strata in mg/L (x-axis). hsCRP=high-sensitivity C-reactive protein, SIS=segment involvement score

Figure S2. Flow chart of the study population



Number of study participants included and reasons for exclusion. CCTA=coronary computed tomography angiography, HsCRP=high-sensitivity C-reactive protein, SCAPIS=Swedish Cardiopulmonary Bioimage Study.

Table S1. Number of participants with missing data

| <b>Cardiovascular risk factors</b>                               | <b>Number of participants with missing data (%)</b> |
|------------------------------------------------------------------|-----------------------------------------------------|
| Gender                                                           | 0 (0%)                                              |
| Age                                                              | 0 (0%)                                              |
| Systolic blood pressure                                          | 4 (0.0%)                                            |
| Diastolic blood pressure                                         | 6 (0.0%)                                            |
| Smoking status                                                   | 818 (3.2%)                                          |
| Glycaemic status                                                 | 26 (0.1%)                                           |
| Previous CABG or PCI                                             | 820 (3.2%)                                          |
| Previous myocardial infarction                                   | 820 (3.2%)                                          |
| Rheumatic disease                                                | 820 (3.2%)                                          |
| <b>Treatment</b>                                                 |                                                     |
| Antihypertensive medication                                      | 830 (3.3%)                                          |
| Cholesterol-lowering medication                                  | 835 (3.3%)                                          |
| Diabetes medication                                              | 831 (3.3%)                                          |
| <b>Clinical chemistry</b>                                        |                                                     |
| LDL                                                              | 127 (0.5%)                                          |
| Non-HDL                                                          | 19 (0.1%)                                           |
| Fasting glucose                                                  | 2,160 (8.5%)                                        |
| HbA1c                                                            | 75 (0.3%)                                           |
| Creatinine                                                       | 10 (0.0%)                                           |
| eGFR                                                             | 10 (0.0%)                                           |
| <b>Anthropometry</b>                                             |                                                     |
| Body mass index                                                  | 0 (0%)                                              |
| Weight at 20 years of age                                        | 1,947 (7.7%)                                        |
| Waist circumference                                              | 8 (0.0%)                                            |
| Waist-hip-ratio                                                  | 15 (0.1%)                                           |
| Accelerometer data                                               | 867 (3.4%)                                          |
| <b>Sociodemographics</b>                                         |                                                     |
| Highest completed level of education                             | 596 (2.3%)                                          |
| Present occupation                                               | 658 (2.6%)                                          |
| Ability to find 2,000 Euro in one week for unforeseen events     | 1,070 (4.4%)                                        |
| Difficulties managing regular expenses during the last 12 months | 820 (3.2%)                                          |

Values are in n (%). CABG= coronary artery by-pass grafting, eGFR=estimated glomerular filtration rate, HbA1c=hemoglobin A1C, HDL=high-density lipoprotein, LDL=low-density lipoprotein PCI=percutaneous coronary artery intervention

Table S2. Odds ratios for model 1 including each covariate one-by-one.

|                                              | Coronary atherosclerosis |               |      |
|----------------------------------------------|--------------------------|---------------|------|
| <b>Model 1</b>                               | <b>OR</b>                | <b>95% CI</b> |      |
| HsCRP <0.7 (ref)                             | 1.00                     |               |      |
| HsCRP 0.7-1.1                                | 1.04                     | 0.97          | 1.12 |
| HsCRP 1.2-2.2                                | 1.14                     | 1.06          | 1.23 |
| HsCRP ≥2.3                                   | 1.31                     | 1.22          | 1.41 |
| <b>Model 1 + treatment of hypertension</b>   |                          |               |      |
| HsCRP 0.7-1.1                                | 1.02                     | 0.95          | 1.10 |
| HsCRP 1.2-2.2                                | 1.11                     | 1.03          | 1.19 |
| HsCRP ≥2.3                                   | 1.22                     | 1.13          | 1.31 |
| <b>Model 1 + treatment of hyperlipidemia</b> |                          |               |      |
| HsCRP 0.7-1.1                                | 1.03                     | 0.96          | 1.11 |
| HsCRP 1.2-2.2                                | 1.15                     | 1.07          | 1.24 |
| HsCRP ≥2.3                                   | 1.32                     | 1.23          | 1.42 |
| <b>Model 1 + diabetes mellitus</b>           |                          |               |      |
| HsCRP 0.7-1.1                                | 1.03                     | 0.96          | 1.11 |
| HsCRP 1.2-2.2                                | 1.13                     | 1.05          | 1.21 |
| HsCRP ≥2.3                                   | 1.26                     | 1.17          | 1.36 |
| <b>Model 1 + smoking</b>                     |                          |               |      |
| HsCRP 0.7-1.1                                | 1.02                     | 0.94          | 1.09 |
| HsCRP 1.2-2.2                                | 1.11                     | 1.03          | 1.19 |
| HsCRP ≥2.3                                   | 1.23                     | 1.15          | 1.33 |
| <b>Model 1 + systolic blood pressure</b>     |                          |               |      |
| HsCRP 0.7-1.1                                | 1.01                     | 0.94          | 1.09 |
| HsCRP 1.2-2.2                                | 1.10                     | 1.02          | 1.18 |
| HsCRP ≥2.3                                   | 1.22                     | 1.14          | 1.32 |
| <b>Model 1 + non-HDL</b>                     |                          |               |      |
| HsCRP 0.7-1.1                                | 1.00                     | 0.93          | 1.08 |
| HsCRP 1.2-2.2                                | 1.08                     | 1.01          | 1.16 |
| HsCRP ≥2.3                                   | 1.25                     | 1.16          | 1.34 |
| <b>Model 1 + body mass index</b>             |                          |               |      |
| HsCRP 0.7-1.1                                | 0.96                     | 0.89          | 1.03 |
| HsCRP 1.2-2.2                                | 0.99                     | 0.92          | 1.07 |
| HsCRP ≥2.3                                   | 1.04                     | 0.96          | 1.13 |

CI=confidence interval, HDL=high-density lipoprotein, HsCRP=high-sensitivity C-reactive protein, OR=odds ratio