Online-Appendix Table A1: Baseline characteristics given in mean (SD) or percentages between groups of no vs. gradus 1-3 thoracoabdominal calcifications in type 2 diabetic (n=833) and in nondiabetic subjects (n=1292).

|                        | Type 2 Diabetic Subjects | Nondiabetic Subjects |
|------------------------|--------------------------|----------------------|
|                        | No calcification (Grade 0) | Calcification (Grade 1-3) | P     | No calcification (Grade 0) | Calcification (Grade 1-3) | P     |
| Age (years)            | 55.7 (5.8)               | 58.6 (4.5)           | <0.001| 52.8 (5.2)               | 56.2 (5.4)           | <0.001|
| Gender (% of male)     | 48.9%                    | 52.2%                | 0.399 | 37.7%                    | 51.3%                | 0.001 |
| Hypertension (%)       | 52.3%                    | 65.3%                | 0.001 | 26.2%                    | 36.6%                | 0.001 |
| Current smoking (%)    | 15.6%                    | 17.1%                | 0.600 | 14.5%                    | 23.1%                | <0.001|
| Systolic blood pressure (mmHg) | 147 (20)             | 155 (24)            | <0.001| 138 (20)               | 144 (21)            | <0.001|
| Diastolic blood pressure (mmHg) | 85 (11)             | 86 (12)             | 0.309 | 83 (10)                | 85 (11)             | 0.001 |
| Pulse pressure (mmHg)  | 61 (17)                  | 69 (21)              | <0.001| 55 (16)                | 58 (16)              | <0.001|
| BMI (kg/m²)            | 26 (9)                   | 29 (5)               | 0.638 | 26 (4)                 | 27 (4)               | 0.015 |
| Total cholesterol (mmol/l) | 6.7 (1.9)              | 6.7 (1.6)           | 0.885 | 6.6 (1.3)              | 6.9 (1.3)           | <0.001|
| HDL cholesterol (mmol/l) | 1.26 (0.35)            | 1.23 (0.37)        | 0.267 | 1.52 (0.37)            | 1.49 (0.40)        | 0.108 |
| Triglycerides (mmol/l)* | 2.52 (3.31)            | 2.48 (2.66)         | 0.631 | 1.31 (0.62)            | 1.48 (0.75)         | <0.001|
| Estimated glomerular filtration rate (ml/min)† | 101 (30)              | 98 (28)             | 0.305 | 89 (20)               | 90 (22)             | 0.504 |
| Fasting glucose (mmol/l) | 11.5 (3.8)             | 11.7 (3.8)          | 0.490 | 5.4 (0.6)              | 5.5 (0.7)          | 0.020 |
| GhaA₁ (%)‡             | 9.9 (2.6)               | 9.9 (2.1)           | 0.741 | -                      | -                   | -     |
| Diabetes duration (years) | 7.9 (3.9)             | 8.0 (4.0)          | 0.931 | -                      | -                   | -     |
| hs-CRP§ > 3 mg/l (%)    | 26.8%                   | 35.6%               | 0.021 | 16.6%                  | 20.6%               | 0.088 |
| ApoB/ApoA1|| | 1.5 (0.5)             | 1.6 (0.5)           | 0.022 | 1.4 (0.4)              | 1.5 (0.4)           | <0.001|
| Urinary protein (g/l)* | 0.22 (0.41)             | 0.29 (0.65)         | 0.007 | 0.09 (0.13)            | 0.11 (0.22)         | 0.044 |

*Tested after logarithmic transformation; †Cockroft-Gault estimate; ‡Glycated haemoglobin A₁; §High-sensitivity C-reactive protein; ||Apolipoprotein B/Apolipoprotein A1

Online-Appendix Table A2: Hazard ratio (95% CI) of CVD mortality in Cox multivariate model for thoracoabdominal calcifications of grade 1 or grade 2, and grade 3 in comparison to grade 0.

|                        | Grade 1 vs Grade 0 | Grade 2 vs Grade 0 | Grade 3 vs Grade 0 | P for linear trend |
|------------------------|-------------------|-------------------|-------------------|-------------------|
| Cardiovascular mortality |                   |                   |                   |                   |
| Type 2 diabetic men    | 1.4 (0.9-2.1)     | 1.5 (0.9-2.5)     | 1.5 (0.8-3.0)     | 0.358             |
| Type 2 diabetic women  | 1.5 (1.0-2.3)     | 1.4 (0.9-2.2)     | 3.0 (1.6-5.7)     | 0.006             |
| Nondiabetic men        | 1.0 (0.5-1.9)     | 2.4 (1.2-5.0)     | 5.0 (2.2-12)      | <0.001            |
| Nondiabetic women      | 1.3 (0.4-2.9)     | 3.1 (0.8-12)      | 7.8 (1.8-34)      | 0.033             |
| Total mortality        |                   |                   |                   |                   |
| Type 2 diabetic men    | 1.2 (0.9-1.6)     | 1.3 (0.9-2.0)     | 1.8 (1.1-2.9)     | 0.116             |
| Type 2 diabetic women  | 1.3 (1.0-1.8)     | 1.3 (0.9-1.9)     | 3.1 (1.9-5.0)     | <0.001            |
| Nondiabetic men        | 0.9 (0.5-1.4)     | 2.2 (1.3-3.5)     | 4.0 (2.2-7.4)     | <0.001            |
| Nondiabetic women      | 1.4 (0.8-2.4)     | 1.9 (1.0-3.7)     | 3.0 (1.3-7.0)     | 0.061             |

*Adjusted for age, gender, area of residence, current smoking, BMI, systolic blood pressure, total cholesterol, HDL cholesterol, HbA1 or fasting glucose (in nondiabetic subjects), duration of diabetes (in diabetic subjects), Cockroft-Gault estimate of glomerular filtration rate, and urinary protein (log).
Online-Appendix Figure A1  Cardiovascular disease survival during 18-year follow-up in men and women without prior cardiovascular disease by the status of diabetes and the presence of thoracoabdominal calcifications.

Men

Women

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Online-Appendix Figure A2. The combination of thoracoabdominal calcifications and high-sensitivity C-reactive protein in association with cardiovascular and total mortality during 18-year follow-up in type 2 diabetic and nondiabetic subjects without prior cardiovascular disease.