**Additional file 1: Table S1. Multiple regression analysis for the determinants of IMT**

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| --- | --- | --- | --- |
|   | **All subjects****(N = 234)** | **Low-adiponectin****(< 6.2 g/mL)****(N = 140)** | **High-adiponectin****(****≥ 6.2 g/mL)****(N = 94)** |
|   | ***β***  | ***p***  | ***β***  | ***p***  | ***β***  | ***p***  |
| Age  | 0.491 | <0.001 | 0.488 | <0.001 | 0.405 | 0.005 |
| Sex (male = 1, female = 0)  | 0.060 | 0.373 | 0.029 | 0.734 | 0.072 | 0.560 |
| BMI  | –0.112 | 0.134 | –0.066 | 0.493 | –0.170 | 0.192 |
| Systolic blood pressure  | 0.101 | 0.134 | 0.106 | 0.182 | 0.176 | 0.190 |
| eGFR  | 0.118 | 0.119 | 0.093 | 0.305 | 0.080 | 0.560 |
| HbA1c  | 0.017 | 0.793 | 0.028 | 0.729 | –0.015 | 0.898 |
| Non-HDL-cholesterol  | 0.154 | 0.023 | 0.235 | 0.007 | 0.077 | 0.521 |
| Smoker (yes = 1, no = 0)  | 0.064 | 0.332 | 0.086 | 0.297 | –0.013 | 0.917 |
| RAS inhibitor (yes = 1, no = 0)  | 0.037 | 0.553 | 0.064 | 0.416 | –0.046 | 0.694 |
| Statin (yes = 1, no = 0)  | 0.011 | 0.862 | 0.031 | 0.698 | 0.019 | 0.861 |
| Log [HOMA-R] | 0.122 | 0.090 | 0.099 | 0.270 | 0.110 | 0.397 |
| Log [adiponectin]  | –0.010 | 0.890 | 0.089 | 0.305 | –0.068 | 0.561 |
| Log [omentin]  | –0.004 | 0.954 | 0.019 | 0.840 | –0.076 | 0.540 |
| *R2 (p)*  | 0.240 (<0.001)  | 0.292 (<0.001)  | 0.211 (0.090)  |

**, standard coefficient by multiple regression analysis. *R2*, coefficient of determination. Abbreviations are as in Table 1.

**Additional file 1: Table S2. Multiple regression analysis for IMT in subgroups stratified by the median HbA1c**

|  |  |  |  |
| --- | --- | --- | --- |
|   | **All subjects****(N = 413)** | **Low-HbA1c****(< 8.3%)****(N = 207)** | **High-HbA1c****(≥ 8.3%)****(N = 206)** |
|   | ***β*** | ***p***  | ***β*** | ***p***  | ***β*** | ***p***  |
| Age  | 0.401   | <0.001  | 0.406 | <0.001  | 0.354 | <0.001  |
| Sex (male = 1, female = 0)  | 0.063   | 0.217   | 0.147 | 0.040 | –0.040 | 0.586 |
| BMI  | –0.133   | 0.010   | –0.145 | 0.042 | –0.096 | 0.208 |
| Systolic blood pressure  | 0.121   | 0.015   | 0.175 | 0.011 | 0.050 | 0.500 |
| eGFR  | 0.014   | 0.803   | 0.109 | 0.198 | –0.068 | 0.383 |
| HbA1c  | 0.008  | 0.869   | 0.080 | 0.220 | –0.075 | 0.294 |
| Non-HDL-cholesterol  | 0.093   | 0.060   | 0.132 | 0.042 | 0.095 | 0.225 |
| Smoker (yes = 1, no = 0)  | 0.042   | 0.401   | 0.004 | 0.959 | 0.080 | 0.272 |
| RAS inhibitor (yes = 1, no = 0)  | –0.016   | 0.719   | 0.092 | 0.150 | –0.146 | 0.037 |
| Statin (yes = 1, no = 0)  | –0.025   | 0.592   | –0.033 | 0.606 | 0.016 | 0.813 |
| Log [adiponectin]  | –0.015   | 0.761   | 0.015 | 0.840 | 0.025 | 0.736 |
| Log [omentin]  | –0.055   | 0.313   | –0.078 | 0.333 | –0.036 | 0.639 |
| *R2 (p)*  | 0.210 (<0.001)  | 0.274 (<0.001)  | 0.200 (<0.001)  |

**, standard coefficient by multiple regression analysis. *R2*, coefficient of determination. Abbreviations are as in Table 1.

**Additional file 1: Table S3. Multiple regression analysis for the determinants of IMT**

|  |  |  |  |
| --- | --- | --- | --- |
|   | **All subjects****(N = 247)** | **Low-adiponectin****(< 6.2 g/mL)****(N = 132)** | **High-adiponectin****(≥ 6.2 g/mL)****(N = 115)** |
|   | ***β***  | ***p***  | ***β***  | ***p***  | ***β***  | ***p***  |
| Age  | 0.427 | <0.001 | 0.424 | <0.001 | 0.403 | <0.001 |
| Sex (male = 1, female = 0)  | 0.073 | 0.269 | 0.068 | 0.459 | 0.020 | 0.851 |
| BMI  | –0.238 | 0.001 | –0.141 | 0.136 | –0.288 | 0.011 |
| Systolic blood pressure  | 0.072 | 0.258 | 0.195 | 0.020 | –0.034 | 0.735 |
| eGFR  | 0.024 | 0.751 | 0.134 | 0.196 | –0.092 | 0.410 |
| HbA1c  | 0.063 | 0.327 | 0.119 | 0.171 | 0.089 | 0.403 |
| Non-HDL-cholesterol  | 0.061 | 0.365 | 0.126 | 0.161 | 0.005 | 0.967 |
| Smoker (yes = 1, no = 0)  | 0.068 | 0.295 | –0.023 | 0.790 | 0.178 | 0.096 |
| RAS inhibitor (yes = 1, no = 0)  | –0.035 | 0.559 | –0.044 | 0.597 | 0.017 | 0.857 |
| Statin (yes = 1, no = 0)  | –0.012 | 0.845 | 0.057 | 0.537 | –0.068 | 0.461 |
| Log [C-reactive protein] | 0.194 | 0.003 | 0.254 | 0.003 | 0.114 | 0.286 |
| Log [adiponectin]  | 0.078 | 0.246 | 0.114 | 0.184 | 0.076 | 0.453 |
| Log [omentin]  | –0.121 | 0.090 | 0.003 | 0.971 | –0.228 | 0.028 |
| *R2 (p)*  | 0.262 (<0.001)  | 0.318 (<0.001)  | 0.301 (<0.001)  |

**, standard coefficient by multiple regression analysis. *R2*, coefficient of determination. Abbreviations are as in Table 1.