

**Table S1.** Hepatic steatosis and fibrosis evaluation of included participants.

| Characteristic                               | Total (n = 80)      | Control (n = 40)    | MAFLD (n = 40)      | p-Value |
|--|---------------------|---------------------|---------------------|---------|
| <i>Hepatic Steatosis</i>                     |                     |                     |                     |         |
| <i>Hepatic steatosis (Ultrasound), n (%)</i> | 41/80 (51.25)       | 1 (2.5)             | 40 (100)            | <0.001  |
| <i>FLI Score, median (IQR)</i>               | 51.2 (11.94–79.46)  | 11.52 (4.42–23.88)  | 79.62 (65.25–87.46) | <0.001  |
| <i>HSI, median (IQR)</i>                     | 36.47 (31.49–42.07) | 31.38 (29.94–33.36) | 42.1 (38.38–47.08)  | <0.001  |
| <i>Liver Fibrosis</i>                        |                     |                     |                     |         |
| <i>APRI, median (IQR)</i>                    | 0.23 (0.17–0.29)    | 0.18 (0.16–0.26)    | 0.25 (0.22–0.33)    | 0.002   |
| <i>FIB-4 Index, median (IQR) *</i>           | 0.88 (0.55–1.1)     | 0.57 (0.42–0.92)    | 0.94 (0.79–1.38)    | <0.001  |
| <i>BARD Score, median (IQR)</i>              | 2 (1.75–2.25)       | 2 (2–2)             | 2 (1–3)             | 0.011   |
| <i>NAFLD Fibrosis Score, mean (SD) *</i>     | –2.4 (1.58)         | –3.23 (1.33)        | –1.57 (1.37)        | <0.001  |
| <i>FibroMax</i>                              |                     |                     |                     |         |
| <i>FibroTest score, median (IQR) *</i>       | 0.15 (0.1–0.23)     | 0.12 (0.07–0.2)     | 0.17 (0.11–0.29)    | 0.018   |
| <i>ActiTest score, median (IQR) *</i>        | 0.08 (0.05–0.16)    | 0.06 (0.03–0.09)    | 0.11 (0.08–0.21)    | <0.001  |
| <i>SteatoTest score, median (IQR) *</i>      | 0.4 (0.13–0.63)     | 0.13 (0.09–0.22)    | 0.64 (0.51–0.72)    | <0.001  |
| <i>NashTest score, median (IQR) *</i>        | 0.25 (0.25–0.5)     | 0.25 (0.25–0.25)    | 0.5 (0.5–0.5)       | <0.001  |
| <i>AshTest score, median (IQR) *</i>         | 0.01 (0–0.02)       | 0.01 (0–0.01)       | 0.02 (0.01–0.04)    | <0.001  |

APRI – Aspartate aminotransferase-to-platelet ratio index; BARD – Body mass index, AST/ALT ratio, diabetes; FIB-4 – Fibrosis-4; FLI – Fatty liver index; HSI – Hepatic steatosis index; IQR –Interquartile range; MAFLD –Metabolic-dysfunction-associated fatty liver disease; NAFLD – Non-alcoholic fatty liver disease; \* - scores that include the age in their formula, and since MAFLD group includes older subjects than controls the differences reflect this difference too.

**Table S2.** Spearman’s correlation coefficient analyses assessing the relation between adiponectin and visfatin levels with echocardiographic and Doppler ultrasound cardiovascular parameters.

|  | All subjects        |                 | MAFLD               |                 | Control             |                 |
|--|---------------------|-----------------|---------------------|-----------------|---------------------|-----------------|
|  | Adiponectin (µg/ml) | Visfatin (ng/L) | Adiponectin (µg/ml) | Visfatin (ng/L) | Adiponectin (µg/ml) | Visfatin (ng/L) |
| <i>Adiponectin (µg/ml)</i>                         | 1                   | –0.07 (0.514)   | 1                   | –0.05 (0.755)   | 1                   | –0.03 (0.876)   |
| <i>Visfatin (ng/L)</i>                             | –0.07 (0.514)       | 1               | –0.05 (0.755)       | 1               | –0.03 (0.876)       | 1               |
| <i>CIMT-right (mm)</i>                             | –0.03 (0.812)       | –0.17 (0.13)    | 0.02 (0.895)        | –0.3 (0.062)    | 0.12 (0.461)        | –0.26 (0.104)   |
| <i>CIMT-left (mm)</i>                              | 0.01 (0.919)        | –0.07 (0.513)   | 0.13 (0.433)        | –0.05 (0.759)   | 0.19 (0.249)        | –0.32 (0.042)   |
| <i>CIMT - mean (mm)</i>                            | 0.01 (0.941)        | –0.12 (0.272)   | 0.09 (0.584)        | –0.19 (0.25)    | 0.2 (0.211)         | –0.32 (0.047)   |
| <i>Left atrial diameter (mm)</i>                   | –0.16 (0.155)       | –0.07 (0.552)   | –0.22 (0.169)       | 0.02 (0.879)    | 0.04 (0.802)        | –0.27 (0.097)   |
| <i>Left ventricular diameter (mm)</i>              | –0.18 (0.116)       | –0.04 (0.694)   | –0.26 (0.107)       | –0.12 (0.474)   | 0.09 (0.573)        | –0.17 (0.306)   |
| <i>Right ventricular diameter (mm)</i>             | –0.24 (0.029)       | 0.14 (0.232)    | –0.29 (0.067)       | 0.21 (0.202)    | –0.13 (0.43)        | –0.09 (0.577)   |
| <i>LVPWT (mm)</i>                                  | –0.24 (0.033)       | –0.09 (0.438)   | –0.16 (0.311)       | 0.05 (0.782)    | –0.08 (0.624)       | –0.45 (0.003)   |
| <i>Interventricular septal wall thickness (mm)</i> | –0.11 (0.317)       | –0.13 (0.259)   | 0.07 (0.677)        | –0.09 (0.566)   | –0.02 (0.896)       | –0.41 (0.008)   |
| <i>Interatrial septal wall thickness (mm)</i>      | –0.1 (0.361)        | –0.01 (0.929)   | –0.1 (0.551)        | –0.06 (0.712)   | –0.02 (0.902)       | –0.01 (0.97)    |
| <i>LVEDV (ml)</i>                                  | –0.08 (0.489)       | 0.07 (0.512)    | 0 (0.979)           | 0.02 (0.916)    | 0.02 (0.898)        | –0.04 (0.797)   |
| <i>LVESV (ml)</i>                                  | –0.03 (0.801)       | 0.07 (0.54)     | –0.01 (0.97)        | –0.01 (0.95)    | 0.11 (0.501)        | 0.02 (0.887)    |
| <i>LVEF (%)</i>                                    | –0.16 (0.166)       | –0.04 (0.696)   | –0.14 (0.384)       | 0.03 (0.842)    | –0.33 (0.039)       | –0.08 (0.63)    |
| <i>Stroke volume (ml)</i>                          | –0.11 (0.338)       | 0.11 (0.348)    | –0.05 (0.748)       | 0.12 (0.463)    | –0.09 (0.571)       | 0.01 (0.968)    |
| <i>Cardiac output</i>                              | –0.11 (0.319)       | 0.01 (0.909)    | –0.05 (0.779)       | –0.01 (0.972)   | –0.11 (0.496)       | –0.05 (0.769)   |
| <i>Early diastolic peak velocity - E (m/s)</i>     | 0.33 (0.002)        | –0.1 (0.379)    | 0.21 (0.186)        | –0.2 (0.209)    | 0.45 (0.003)        | 0.01 (0.948)    |
| <i>Late diastolic peak velocity - A (m/s)</i>      | 0.04 (0.713)        | –0.04 (0.727)   | 0.34 (0.032)        | –0.17 (0.283)   | –0.18 (0.274)       | –0.1 (0.524)    |
| <i>Early diastolic velocity – e' (m/s)</i>         | 0.12 (0.279)        | –0.13 (0.263)   | –0.08 (0.611)       | –0.09 (0.568)   | 0.22 (0.172)        | –0.07 (0.673)   |
| <i>Late diastolic velocity – a' (m/s)</i>          | –0.12 (0.282)       | –0.03 (0.761)   | –0.08 (0.607)       | 0.1 (0.541)     | –0.14 (0.402)       | –0.28 (0.083)   |
| <i>E/A ratio</i>                                   | 0.17 (0.132)        | –0.04 (0.728)   | –0.21 (0.196)       | 0.02 (0.911)    | 0.47 (0.002)        | 0.09 (0.562)    |
| <i>e'/a' ratio</i>                                 | 0.14 (0.214)        | –0.02 (0.871)   | 0.03 (0.846)        | –0.15 (0.343)   | 0.2 (0.218)         | 0.24 (0.136)    |
| <i>E/e' ratio</i>                                  | 0.12 (0.282)        | 0.06 (0.601)    | 0.18 (0.256)        | –0.09 (0.592)   | 0.16 (0.314)        | 0.11 (0.495)    |

CIMT – carotid intima-media thickness; LVEDV – left ventricular end-diastolic volume; LVEF – left ventricular ejection fraction; LVESV – left ventricular end-systolic volume; LVPWT – left ventricular posterior wall thickness; MAFLD – metabolic associated fatty liver disease; SBP – systolic blood pressure.