**Supplemental Table 1. Correlations between hepatic steatosis, stiffness and glucometabolic parameters**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **In all subjects (N =131)** | | | | |  |
|  | CAP, dB/m | |  | Liver stiffness, kPa | |  |
|  | *r* | *p*-value |  | *r* | *p*-value |  |
| Age (years) | 0.033 | 0.709 |  | **0.218** | **0.012** |  |
| BMI (kg/m2) | **0.523** | **< 0.001** |  | **0.234** | **0.007** |  |
| sBP (mmHg) | **0.178** | **0.043** |  | **0.337** | **< 0.001** |  |
| dBP (mmHg) | 0.160 | 0.068 |  | -0.025 | 0.780 |  |
| HbA1c (%) | 0.080 | 0.366 |  | **0.363** | **< 0.001** |  |
| Fasting glucose (mg/dL) | **0.244** | **0.005** |  | **0.382** | **< 0.001** |  |
| Postprandial 90 min glucose (mg/dL) | 0.032 | 0.726 |  | **0.276** | **0.002** |  |
| Fasting c-peptide (ng/mL) | **0.443** | **< 0.001** |  | **0.197** | **0.038** |  |
| Postprandial 90 min c-peptide (ng/mL) | 0.033 | 0.735 |  | 0.005 | 0.957 |  |
| Fasting insulin(μIU/mL) | **0.257** | **0.006** |  | 0.050 | 0.599 |  |
| Postprandial 90 min insulin (μIU/mL) | 0.185 | 0.058 |  | 0.039 | 0.688 |  |
| HOMA-IR (mg/dL\*μIU/mL) | **0.214** | **0.025** |  | 0.048 | 0.616 |  |
| HOMA-β (%) | 0.105 | 0.275 |  | 0.061 | 0.527 |  |
| Fasting triglyceride (mg/dL) | **0.250** | **0.004** |  | 0.136 | 0.121 |  |
| Postprandial triglyceride (mg/dL) | 0.285 | **0.024** |  | 0.142 | 0.268 |  |
| Fasting FFA (μEq/L) | 0.262 | **0.034** |  | -0.008 | 0.947 |  |
| Postprandial FFA (μEq/L) | 0.069 | 0.596 |  | **0.319** | **0.012** |  |
| HDL-C (mg/dL) | 0.218 | 0.013 |  | 0.142 | 0.106 |  |
| LDL-C (mg/dL) | 0.098 | 0.268 |  | -0.044 | 0.620 |  |
| Lipoprotein (a) (mg/dL) | -0.134 | 0.139 |  | -0.034 | 0.707 |  |
| Homocysteine (μmol/L) | -0.018 | 0.849 |  | 0.128 | 0.161 |  |
| eGFR (CKD-EPI) | 0.074 | 0.400 |  | **-0.234** | **0.007** |  |
| AST (IU/L) | **0.173** | **0.049** |  | **0.198** | **0.023** |  |
| ALT (IU/L) | **0.317** | **< 0.001** |  | **0.212** | **0.015** |  |
| GGT (IU/L) | 0.035 | 0.694 |  | **0.249** | **0.004** |  |

Data are presented as Pearson’s correlation coefficient (*r*). *p* <0.05 was regarded as statistically significant.

**Supplemental Table 2. Correlations between hepatic steatosis, stiffness and echocardiographic parameters**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **In all subjects (N =131)** | | | | |  |
|  | CAP, dB/m | |  | Liver stiffness, kPa | |  |
|  | *r* | *p*-value |  | *r* | *p*-value |  |
| **Cardiac dimension** |  |  |  |  |  |  |
| LV mass (g) | **0.276** | **0.002** |  | 0.041 | 0.647 |  |
| LV mass index (g/m2) | 0.152 | 0.087 |  | 0.017 | 0.850 |  |
| LV end-systolic diameter (mm) | 0.153 | 0.081 |  | 0.049 | 0.579 |  |
| LV end-diastolic diameter (mm) | 0.152 | 0.084 |  | 0.037 | 0.675 |  |
| Left atrial volume (ml) | **0.295** | **0.001** |  | 0.102 | 0.249 |  |
| Left atrial volume index (ml/m2) | **0.189** | **0.031** |  | 0.074 | 0.401 |  |
| **LV systolic function** |  |  |  |  |  |  |
| LV ejection fraction (%) | -0.087 | 0.327 |  | -0.046 | 0.602 |  |
| **LV diastolic function** |  |  |  |  |  |  |
| E velocity (m/s) | -0.073 | 0.410 |  | 0.135 | 0.126 |  |
| A velocity (m/s) | 0.121 | 0.172 |  | **0.312** | **< 0.001** |  |
| E/A ratio | -0.165 | 0.063 |  | -0.141 | 0.112 |  |
| Deceleration time (m/s) | -0.082 | 0.364 |  | 0.064 | 0.474 |  |
| Septal tissue Doppler E’ velocity (cm/s) | **-0.261** | **0.003** |  | -0.209 | 0.018 |  |
| Septal tissue Doppler S’ velocity (cm/s) | -0.050 | 0.575 |  | 0.084 | 0.343 |  |
| Septal tissue Doppler A’ velocity (cm/s) | 0.153 | 0.085 |  | 0.058 | 0.518 |  |
| E/e’ ratio | **0.230** | **0.008** |  | **0.404** | **< 0.001** |  |

Data are presented as Pearson’s correlation coefficient (*r*). *p* <0.05 was regarded as statistically significant.