**S2 Correlation analyses between serum leptin levels and measurements of fat mass**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Adult DXA** | | | | | | **Adult Abdominal CT** | | | | | | | |
|  | **BMI** | **Fat mass** | | **Percentage body fat** | | **Fat mass trunk** | | **Total AT** | | **ScAT** | | **IpAT** | | **RpAT** | |
| **Leptin** | 0.48 | 0.62 | | 0.61 | | 0.60 | | 0.63 | | 0.62 | | 0.44 | | 0.49 | |
| **BMI** |  | 0.78 | | 0.66 | | 0.78 | | 0.76 | | 0.77 | | 0.50 | | 0.50 | |
| **Adult DXA** |  |  | |  | |  | |  | |  | |  | |  | |
| **Fat mass** |  |  | | 0.97 | | 0.99 | | 0.93 | | 0.94 | | 0.67 | | 0.64 | |
| **Percentage body fat** |  |  | |  | | 0.96 | | 0.92 | | 0.93 | | 0.67 | | 0.64 | |
| **Fat mass trunk** |  |  | |  | |  | | 0.94 | | 0.94 | | 0.69 | | 0.67 | |
| **Adult abdominal CT** |  |  | |  | |  | |  | |  | |  | |  | |
| **Total AT** |  |  | |  | |  | |  | | 0.98 | | 0.76 | | 0.76 | |
| **ScAT** |  |  | |  | |  | |  | |  | | 0.66 | | 0.68 | |
| **IpAT** |  |  | |  | |  | |  | |  | |  | | 0.59 | |
| **RpAT** |  |  | |  | |  | |  | |  | |  | |  | |
|  |  |  |  | |  | |  | |  | |  | |  | |  | |

Pearson´s correlation coefficients are shown for associations between serum leptin levels and measurements of body fat. All variables have been log-transformed. AR= Adiposity rebound, BMI=body mass index, Sc= subcutaneous, Ip=Intraperitoneal, Rp= Retroperitoneal, AT= adipose tissue. p>0.001 for all correlations.