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

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|  |  | **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** |  |  |  |  |  |  |  |  |
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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.