**Supplementary Table 1**: Body Composition in Children Post-Liver Transplantation (LTx)

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| Variablea | Total Cohort (n = 47)b  23F/24M |
| **Lean Indices** |  |
| Fat-free mass (g) | 22863 (16434 – 32126) |
| % Fat Free mass | 70.9 ± 5.8 |
| Lean Body Mass (g) | 21827 (15689– 30794) |
| % Lean Body Mass | 67.8 ± 5.6 |
| Lean/Height² (kg/m²) | 12.3 ± 1.8 |
| Lean-height z-score c | -0.20 (-0.80 – 0.20) |
| Appendicular Lean/Height² (kg/m²) | 4.91 ± 1.07 |
| Appendicular Lean/Height² z-score c | -0.60 ± 0.73 |
| Skeletal Muscle Massd | 8.59 (5.38 – 13.39) |
| Skeletal Muscle Mass z-score | -0.92 ± 0.88 |
| LMIc | 12.33 ± 1.75 |
| LMI <5th percentile, n (%)e | 7 (3.66) |
| **Adipose Indices** |  |
| Fat Mass (g) | 8399 (6599 - 13330) |
| % Fat Mass | 29.02 ± 5.89 |
| FM (whole body) % t-scores | -0.30 (-1.03 – 0.50) |
| Android/Gynoid Ratio | 0.74 ± 0.15 |
| %Fat Trunk/%Fat Legs | 0.64 ± 0.10 |
| Trunk/Limb Fat Mass Ratio | 0.67 ± 0.12 |
| Trunk/Limb Fat Mass Ratio t-score | -1.45 ± 1.30 |
| FMIc | 4.92 (4.09 – 6.20) |
| FMI > 75th percentile, n (%)e | 37 (19.37) |
| Trunk/limb FM Ratio | 0.67 ± 0.12 |
| Trunk/limb FM Ratio Z-scorec | -0.1 ± 0.99 |

a Variables are mean ± standard deviation or median (interquartile range). Variables are significant at a p < 0.05.

b Total of 296 DXA scans for 47subjects over 10 years.

c Data only available for 191/296 scans

d Skeletal Muscle Mass calculated from healthy child normative data from Weber et al.

e FMI/LMI calculated from fat mass and lean mass measured from DXA and percentiles from age and sex specific reference ranges. Available for 171/267 total cohort, 15/49 + sarcopenia, 156/218 –sarcopenia (only available for patients ≥ 8 years); DXA, Dual Energy X-Ray Absorptiometry; FM, Fat Mass; FMI, Fat Mass Index; LMI, Lean Mass Index; LTx, Liver Transplantation.