**Sup. Table 2: Comparison of the correlation between quantification of fatty involvement analyzed using T1 imaging and 3-point Dixon with muscle strength in appropriately tested muscles.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Muscles** | **T1w imaging** | | **3-point Dixon** | |
|  | Spearman Test | Correlation coefficient | Spearman test | Correlation coefficient |
| Hip flexion | 0.077 | -0.360 | 0.083 | -0.311 |
| Hip adduction | 0.012 | -0.437 | 0.0001 | -0.654 |
| Knee extension | 0.002 | -0.517 | 0.0001 | -0.631 |
| Knee flexion | 0.0001 | -0.649 | 0.0001 | -0.70 |

We correlated the strength of the thighs muscles with the degree of fatty infiltration in muscles analyzed using T1w and 3-point Dixon imaging. We correlated hip flexion with fatty infiltration of *psoas* muscle, hip adduction with an average of fatty infiltration of *adductor longus* and *major*, knee extension with the average of fatty infiltration of *rectus femoris*, *vastus medialis*, *vastus intermedius* and *vastus lateralis*; and knee flexion with the average of fatty infiltration of *semitendinosus*, *semimembranosus*, *biceps long head* and *biceps short head*.