**Supplementary Table 2: Inter-tumour comparison of quantitative MR parameters, granulation status and biochemical remission status post-surgical resection in somatotropinoma by qualitative T2W signal intensity evaluation**

SI= signal intensity

*P value calculated using 2-tailed t-test or Mann-Whitney U test in the case of non - parametric data (e.g. tumour size)*. For *differences in tumour granulation status and biochemical remission, p value determined using Fisher’s exact test (\*).*

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter**Within group mean (+/ - S.D) | **T2 hyperintense** **(n=14)** | **T2 hypointense****(n=24)** | **P value** |
| **Median Tumour size cm3**  **(IQR)** | 3.15(0.63 – 7.38) | 0.68(0.41 – 1.27) | 0.02 |
| **Tumour/WM****T2W SI ratio** | 1.31(0.18) | 0.95(0.17) | <0.001 |
| **Tumour/WM****T1W SI ratio** | 1.00(0.19) | 1.01(0.09) | 0.89 |
| **Tumour/CSF****T2W SI ratio** | 0.45(0.08) | 0.32(0.05) | <0.001 |
| **Tumour/CSF****T1W SI ratio** | 2.47(0.52) | 2.51(0.30) | 0.77 |
| **Tumour T2/T1** **SIRatio - WM** | 1.36(0.32) | 0.95(0.19) | <0.001 |
| **Tumour T2/T1** **SIRatio - CSF** | 0.19(0.04) | 0.13(0.02) | <0.001 |
| **Granulation** **Subtype** | Sparsely | 7 (50%) | 0 (0%) | <0.001\* |
| Densely/intermediate | 7 (50%) | 24 (100%) |
| **Biochemical remission**  | No remission | 5 (36%) | 7 (29%) | 0.73\* |
| Remission | 9 (64%) | 17 (71%) |