**Supplementary Table 5: Area under the receiver operator characteristic curve (AUROC) values for imaging/ biochemical parameters in the prediction of somatotropinoma granulation status and biochemical remission post-surgical resection**

SI= signal intensity; TSS= trans-sphenoidal surgery

|  |  |
| --- | --- |
| **Quantitative MR/ Biochemical** **parameter** | **AUROC****(95% confidence interval)** |
| **Densely/intermediate vs Sparsely GH (n=38)** | **Biochemical remission post TSS (n=38)** |
| **Tumour volume (cm3)** | 0.83(0.61 – 0.99) | 0.80(0.64 – 0.97) |
| **Knosp Grade** | 0.80(0.59 – 0.99) | 0.79(0.62 – 0.95) |
| **Qualitative T2W SI** **(hyper/hypointense)** | 0.89(0.81 – 0.96) | 0.54(0.36 – 0.71) |
| **Tumour/WM****T2W SI ratio**  | 0.87(0.75 – 0.99) | 0.62( 0.42 0.82) |
| **Tumour/WM****T1W SI ratio** | 0.74(0.55 – 0.93) | 0.73(0.57 – 0.89) |
| **Tumour/CSF****T2W SI ratio** | 0.94(0.85 – 0.99) | 0.51(0.30 – 0.72) |
| **Tumour/CSF****T1W SI ratio** | 0.72(0.49 – 0.94) | 0.63(0.42 – 0.83) |
| **Tumour T2/T1** **SIRatio - WM** | 0.89(0.78 – 1.00) | 0.69(0.51 – 0.86) |
| **Tumour T2/T1** **SIRatio - CSF** | 0.95(0.88 – 1.00) | 0.56(0.34 – 0.78) |
| **Pre - treatment IGF1 (% ULN)** | 0.73(0.54 – 0.92) | 0.63(0.45 -0.81) |
| **Pre - treatment growth hormone** **nadir (mcg/L)** | 0.51(0.30 – 0.71) | 0.65(0.45 – 0.84) |