**Table S1 Correlation hTERT and HMGA1 markers with Ki-67**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.NO** | **MARKERS** | **r- VALUE** | **95% CI** | **p-VALUE** |
| 1 | hTERT | 0.7766 | 0.6377 to 0.8666 | <0.0001\*\*\*\* |
| 2 | HMGA1 | 0.7397 | 0.5831 to 0.8433 | <0.0001\*\*\*\* |

(Values expressed in the format: r, 95%CI, p-value as \*\*\*\* extremely significant)

**Inference:**

Using the Spearman's correlation coefficient, correlation of Ki-67 with both markers hTERT and HMGA1was assessed. From the above data, Ki-67 showed a significantly positive correlation with hTERT (r = 0.7766, p <0.0001) and HMGA1 (r=0.7397, p<0.0001).

**Table S2 ROC analysis between histological grades II and III**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.NO** | **Grades** | **AUC** | **STD. ERROR** | **95%CI** | **CUTOFF** | **SENSITIVITY**  **(%)** | **SPECIFICITY**  **(%)** | **p-VALUE** |
| 1 | hTERT | 0.94 | 0.04 | 0.9-1.0 | >4.75 | 100 | 61.11 | <0.0001\*\*\*\* |
| 2 | HMGA1 | 0.9 | 0.05 | 0.8-1.0 | >2.650 | 88.89 | 77.78 | <0.0001\*\*\*\* |
| 3 | Ki-67 | 0.87 | 0.06 | 0.75-0.98 | >2.3 | 94.44 | 61.11 | 0.0002\*\*\*\* |

\*\*\*\* extremely significant

**Inference**

* ROC curve analysis of grade II and III provided a cut-off value for hTERT at 4.75 (sensitivity = 100%, specificity = 61.11%, likelihood ratio=2.6) to best predict survival.
* ROC curve analysis of grade II and III for marker HMGA1 provided a cut-off value at 2.65 (sensitivity = 88.89%, specificity = 77.78, likelihood ratio=4) to best predict survival.
* ROC curve analysis of grade II and III provided a cut-off value for Ki-67 at 2.3 (sensitivity = 94.44%, specificity = 61.11%, Likelihood ratio=2.43) to best predict survival.