**Supplementary Table 8** Predictive performance evaluation of the model with the additional VoxelVolume variable.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Cohort | N | HCC, n (%) | AUC | SEN | SPE | PPV | NPV | ACC | F1-score |
| Training cohort | 809  | 24 (3.0) | 0.872 [0.793, 0.934] | 0.800 [0.667, 0.892] | 0.785 [0.751, 0.815] | 0.106 [0.074, 0.153] | 0.993 [0.986, 0.998] | 0.790 [0.762, 0.824] | 0.184[0.124, 0.238] |
| Validation cohort | 348  | 11 (3.2) | 0.814[0.693, 0.926] | 0.727[0.600, 0.867] | 0.782[0.713, 0.849] | 0.101[0.081, 0.123] | 0.989[0.975, 0.998] | 0.780[0.726, 0.837] | 0.175[0.141, 0.204] |
| Test cohort | 1254  | 83 (6.6) | 0.819[0.763, 0.870] | 0.572 [0.522, 0.701] | 0.875 [0.808, 0.954] | 0.264[0.227, 0.300] | 0.970[0.953, 0.989] | 0.862[0.788, 0.936] | 0.375[0.328, 0.399] |