**Supplemental Table 1. Average Chalkley Counting^ of CD34, ACE, ATIIR1 and ATIIR2 in 32 OTSCC Samples Analysed against Chosen Prognostic Factors**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Prognostic Factors | Average CD34 Counts | Average ACE Counts | Average ATIIR1Counts | Average ATIIR2 Counts |
| Patient | T | N | M | OverallClinical Stage | HistologicalDifferentiation | PNI/LVI\* | P1 | P2 | P1 | P2 | P1 | P2 | P1 | P2 |
| 1 | 3 | 0 | 0 | III | Moderate | - | 7.7 | 9.7 | 6.0 | 6.0 | 6.7 | 3.7 | 5.3 | 7.3 |
| 2 | 2 | 0 | 0 | II | Moderate | - | 8.3 | 7.3 | 3.7 | 5.0 | 7.3 | 5.7 | 6.0 | 8.0 |
| 3 | 1 | 0 | 0 | I | Well | - | 9.7 | 10.7 | 2.3 | 6.3 | 8.3 | 3.3 | 5.0 | 7.3 |
| 4 | 1 | 0 | 0 | I | Moderate | - | 6.7 | 11.7 | 5.0 | 11.3 | 6.7 | 6.3 | 4.7 | 9.0 |
| 5 | 1 | 0 | 0 | I | Moderate | - | 11.0 | 13.7 | 3.7 | 4.0 | 5.7 | 4.7 | 5.3 | 9.7 |
| 6 | 3 | 0 | 0 | III | Poor | PNI & LVI | 9.7 | 7.3 | 7.0 | 9.0 | 6.0 | 11.3 | 6.3 | 10.0 |
| 7 | 3 | 1 | 0 | III | Moderate | PNI | 7.7 | 7.7 | 4.7 | 6.0 | 7.3 | 5.7 | 7.7 | 8.0 |
| 8 | 3 | 0 | 0 | III | Moderate | - | 8.0 | 12.0 | 6.0 | 10.0 | 6.7 | 7 | 7.3 | 8.0 |
| 9 | 4 | 2a | 0 | IV | Poor | - | 9.7 | 7.7 | 5.7 | 5.0 | 5.7 | 5.7 | 4.3 | 4.3 |
| 10 | 2 | 0 | 0 | II | Moderate | PNI | 6.7 | 6.7 | 4.3 | 10.7 | 5.3 | 7.0 | 6.0 | 7.3 |
| 11 | 3 | 2b | 0 | IV | Moderate | no | 10.3 | 13.7 | 7.7 | 8.3 | 7.0 | 5.3 | 10.3 | 6.0 |
| 12 | 2 | 0 | 0 | III | Moderate | PNI | 10.3 | 8.7 | 5.3 | 9.0 | 5.0 | 5.3 | 6.7 | 8.3 |
| 13 | 2 | 0 | 0 | II | Poor | - | 8.0 | 8.3 | 7.7 | 6.7 | 5.7 | 5.0 | 5.0 | 5.3 |
| 14 | 1 | 0 | 0 | I | Well | - | 9.7 | 14.3 | 5.0 | 6.7 | 9.3 | 5.0 | 7.7 | 6.3 |
| 15 | 2 | 0 | 0 | II | Moderate | LVI | 8.3 | 11.3 | 5.0 | 5.7 | 8.3 | 11.0 | 5.0 | 10.7 |
| 16 | 2 | 0 | 0 | II | Well | - | 9.7 | 11.3 | 6.0 | 7.3 | 7.7 | 3.3 | 5.0 | 8.3 |
| 17 | 2 | 0 | 0 | II | Moderate | - | 11.0 | 10.3 | 5.7 | 7.3 | 5.7 | 6.7 | 6.7 | 7.3 |
| 18 | 4 | 0 | 0 | IV | Moderate | - | 8.0 | 10.0 | 8.0 | 10.3 | 5.7 | 5.3 | 5.3 | 5.7 |
| 19 | 1 | 0 | 0 | I | Moderate | - | 7.3 | 11.3 | 3.0 | 8.7 | 6.7 | 6.7 | 6.0 | 7.7 |
| 20 | 2 | 0 | 0 | II | Moderate | - | 9.7 | 9.7 | 6.0 | 9.7 | 8.7 | 6.7 | 4.5 | 8.7 |
| 21 | 2 | 0 | 0 | III | Poor | PNI | 7.3 | 6.0 | 6.0 | 13.3 | 4.3 | 4.0 | 5.7 | 4.7 |
| 22 | 2 | 0 | 0 | I | Well | - | 8.3 | 13.3 | 4.3 | 7.7 | 9.0 | 5.0 | 7.7 | 9.0 |
| 23 | 2 | 0 | 0 | II | Moderate | PNI | 10.7 | 11.3 | 6.0 | 10.0 | 7.3 | 7.3 | 10.0 | 9.0 |
| 24 | 3 | 0 | 0 | III | Moderate | - | 6.3 | 7.3 | 3.7 | 7.0 | 7.0 | 8.3 | 8.0 | 10.3 |
| 25 | 2 | 0 | 0 | II | Moderate | - | 6.3 | 10.7 | 4.7 | 9.7 | 6.3 | 7.3 | 8.7 | 5.7 |
| 26 | 1 | 0 | 0 | I | Well | - | 6.7 | 7.3 | 4.3 | 3.7 | 4.7 | 2.7 | 2.5 | 4.3 |
| 27 | 2 | 0 | 0 | II | Moderate | - | 5.7 | 5.0 | 3.7 | 5.7 | 7.0 | 6.7 | 6.7 | 6.3 |
| 28 | 1 | 0 | 0 | I | Moderate | - | 7.0 | 9.0 | 3.3 | 15.7 | 7.3 | 6.7 | 8.0 | 7.3 |
| 29 | 4 | 0 | 0 | IV | Poor  | - | 7.0 | 10.0 | 2.7 | 6.7 | 6.3 | 6.37 | 7.0 | 4.7 |
| 30 | 4 | 0 | 0 | IV | well | - | 8.3 | 8.3 | 5.7 | 8.0 | 6.0 | 10.0 | 7.3 | 8.3 |
| 31 | 2 | 0 | 0 | II | Moderate | - | 8.0 | 6.3 | 6.3 | 6.7 | 7.3 | 9.7 | 7.7 | 10.0 |
| 32 | 2 | 0 | 0 | II | Moderate | PNI | 7.7 | 7.0 | 6.3 | 7.0 | 7.3 | 7.7 | 7.0 | 6.0 |

^3 ‘hot spot’ counts for each OTSCCsampleby two independent observers, P1 and P2

**\***PNI, perineural invasion; LVI, lymphovascular invasion