|  |  |
| --- | --- |
|  | **Overall Population (119)** |
| **Age at the diagnosis** |  |
| **<45**  | 4\119  |
| **>45**  | 115\119  |
|  |  |
| **Gender** |  |
| **M**  | 83\119  |
| **F**  | 36\119  |
|  |  |
| **Grading**  |  |
| **G1**  | 20\119  |
| **G2**  | 66\119 |
| **G3**  | 33\119  |
|  |  |
| **Overall free disease survival** | 40\85 |
| **Death**  | 42\85 |
| **No follow-up** | 37\119 |
| **Recurrence** | 3\85 |
|  |  |
| **Tumor staging** |  |
| **T1-2**  | 75\119 |
| **T3-4**  | 44\119  |
|  |  |
| **Lymph Node metastases** | 78\119 |
| **Distant metastases** | 1\119 |
| **No metastasis** | 40\119 |
|  |  |
| **THERAPY**  |  |
| **Chem**  | 29\89  |
| **RxT**  | 60\89  |
| **Chem+RxT**  | 27\89  |
| **No Therapy information**  |  20\119  |
|  |  |
| **Primary anatomical Site** |  |
| **Tongue** | 71\119 |
| **Other sites** | 45\119 |
| **Lips** | 3\119 |

**Supplementary Table 1**

|  |  |
| --- | --- |
|  | **Overall Population (27)** |
| **Age**  |  |
| **<50**  | 2\27  |
| **>50**  | 25\27  |
|  |  |
| **Gender**  |  |
| **M**  | 15\27  |
| **F**  | 12\27  |
|  |  |
| **Grading**  |  |
| **G1**  | 0\27  |
| **G2**  | 14\27 |
| **G3**  | 13\27  |
|  |  |
| **Tumor stage** |  |
| **T1-2**  | 25\27 |
| **T3-4**  | 2\27  |
|  |  |
| **Smokers** | 16\27 |
| **Heavy smokers (>20sig)** | 12\10 |
| **Light smokers (< 19 sig)** | 4\10 |
|  |  |
|  |  |
| **Drinkers**  | 17\27 |
| **1-2 alcool cups daily assumption** | 12\17 |
| **3-4 alcool cups daily assumption** | 5\17 |
|  |  |
|  |  |
| **Fruits/Vegetables** |  |
| **Moderate** | 19\27 |
| **Hight** | 8\27 |
|  |  |

**Supplementary Table 2**

|  |  |
| --- | --- |
|  | SPARC Tumor Expression |
| SPARC Stromal Expression | **Negative**  | **Positive** |
| Negative | 15 | 0 |
| Positive | 28 | 59 |
| *Pearson**Chi-square* | ,000 |

**Supplementary Table 3**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Grading  | Anatomical site | Deep Invasion | T | N | Age | SEX |
|  SPARC Superficial Tumour Expression | **1** | **2** | **3** | **Tongue** | **Other** | **< 10mm** | **> 10mm** | **T1\2** |  | **>T2** | **0** | **1** | **2** | **<50** | **>51** | **F** | **M** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 10 | 23 | 7 | 18 | 22 | 18 | 22 | 23 |  | 17 | 19 | 7 | 14 | 2 | 40 | 11 | 29 |
| 1 | 4 | 15 | 5 | 11 | 12 | 6 | 18 | 15 |  | 9 | 13 | 7 | 4 | 2 | 27 | 6 | 18 |
| 2 | 3 | 12 | 10 | 10 | 14 | 12 | 13 | 16 |  | 9 | 11 | 6 | 8 | 1 | 30 | 4 | 21 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pearson *Chi-square* | ,258 | ,91 | ,191 | ,853 | ,552 | ,368 | ,559 |

**Supplementary Table 4**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Grading | Anatomical site | Deep Invasion | T | N | Age | SEX |
| SPARC SuperficialStromalExpression | **1** | **2** | **3** | **Tongue** | **Other** | **< 10mm** | **> 10mm** | **T1\2** | **>T2** | **0** | **1** | **2** | **<50** | **>51** | **F** | **M** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0 | 3 | 5 | 4 | 7 | 5 | 7 | 5 | 6 | 6 | 7 | 2 | 3 | 2 | 13 | 5 | 7 |
| 1 | 12 | 21 | 9 | 17 | 23 | 13 | 29 | 24 | 18 | 17 | 10 | 15 | 2 | 42 | 9 | 33 |
| 2 | 2 | 25 | 10 | 16 | 21 | 16 | 21 | 25 | 12 | 19 | 8 | 10 | 1 | 42 | 8 | 29 |
|  |  |  |  |  |  |  |  |
| Pearson *Chi-square* | **,087** | ,604 | ,191 | ,46 | ,552 | ,368 | ,31 |

**Supplementary Table 5**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Grading  | Anatomical site | Ki 67 expression | T | Age | SEX |
|  SPARC tumoral Expression | **1** | **2** | **3** | **Tongue** | **Other** | **low** | **high** | **T1\2** | **>T2** | **<50** | **>51** | **M** | **F** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Negative | 0 | 7 | 2 | 5 | 4 | 1 | 6 | 8 | 1 | 1 | 8 | 6 | 3 |
| Positive | 0 | 6 | 10 | 7 | 9 | 5 | 9 | 14 | 1 | 2 | 14 | 8 | 8 |
| Pearson *Chi-square* | **,053** | ,57 | ,30 | ,7 | ,91 | ,4 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | Fruits and Vegetablesconsumption | Smokers | Alcohol consumption |
|  SPARC Stromal Expression | **No** | **Low** | **High** | **light** | **Hevvy** | **No** | **low** | **high** |
|  |  |  |  |  |  |  |  |  |
| Negative | 0 | 7 | 2 | 4 | 1 | 2 | 6 | 1 |
| Positive | 1 | 9 | 5 | 0 | 11 | 6 | 6 | 4 |
| Pearson *Chi-square* | ,43 | ,001 | ,37 |

**Supplementary Table 6**

**Supplementary Figure 1**

**Supplementary Figure 2**