**Supplementary Table**

**Table S. Clinical Features of Patients (IA-IV)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Characteristics** | **Postoperative eosinophils minus preoperative eosinophils** | | | | | | |
| **Total** | **DOWN** | **P-value** | **No Change** | **P-value** | **UP** | **P-value** |
| **All patients, n(%)** | 564(100) | 252(44.7) |  | 27(4.8) |  | 285(50.5) |  |
| **Mean age ±SD,** | 62.14±9.42 | 61.66±8.21 | 0.4473 | 61.33±13.81 | 0.6392 | 62.64±7.94 | 0.4035 |
| **Age，n（%）** |  |  | 0.587 |  | 0.717 |  | 0.681 |
| **＜60** | 186(33.0) | 88(34.9) |  | 8(29.6) |  | 90(31.6) |  |
| **≥60** | 378(67.0) | 164(65.1） |  | 19(70.4) |  | 195(68.4) |  |
| **Gender, n(%)** |  |  | 0.744 |  | 0.312 |  | 0.573 |
| **Male** | 367(65.1) | 161(63.9) |  | 15(0.56) |  | 191(67.0) |  |
| **Female** | 197(34.9) | 91(36.1) |  | 12(0.44) |  | 94(33.0) |  |
| **Location of tumor, n(%)** |  |  | 0.493 |  | 0.389 |  | 0.683 |
| **Left lobe** | 245(43.4) | 103(40.9) |  | 14(51.9) |  | 128(44.9) |  |
| **Right lobe** | 319(56.6) | 149(59.1) |  | 13(48.1) |  | 157(55.1) |  |
| **Pathological stage, n(%)** |  |  | 0.968 |  | 0.224 |  | 0.871 |
| **IA** | 222(39.4) | 106(42.1) |  | 12(44,4) |  | 104(36.5) |  |
| **IB** | 79(14.0) | 31(12.3) |  | 1(3.8) |  | 47(16.5) |  |
| **IIA** | 22(3.9) | 12(4.8) |  | 1(3.8) |  | 9(3.2) |  |
| **IIB** | 91(16.1) | 37(14.7) |  | 5(18.4) |  | 49(17.2) |  |
| **IIIA** | 108(19.1) | 46(18.2) |  | 4(14.8) |  | 58(20.3) |  |
| **IIIB** | 27(4.8) | 13(5.1) |  | 4(14.8) |  | 10(3.5) |  |
| **IV** | 15(2.7) | 7(2.8) |  | 0 |  | 8(2.8) |  |
| **Pathological type, n(%)** |  |  | 0.812 |  | 0.725 |  | 0.744 |
| **Adenocarcinoma** | 354(62.8) | 163(64.7) |  | 19(70.3) |  | 172(60.4) |  |
| **Squamous cell carcinoma** | 210(37.2) | 89(35.3) |  | 8(29.7) |  | 113(39.6) |  |
| **Surgical procedure, n(%)** |  |  | 0.996 |  | 0.897 |  | 0.980 |
| **Lobectomy** | 468(83.0) | 211(83.7) |  | 22(81.5) |  | 235(82.5) |  |
| **Segmentectomy** | 7(1.3) | 4(1.6) |  | 1(3.7) |  | 2(0.7) |  |
| **Sleeve resection** | 25(4.4) | 10(4.0) |  | 1(3.7) |  | 14(4.9) |  |
| **Wedge resection** | 31(5.5) | 13(5.2) |  | 2(7.4) |  | 16(5.6) |  |
| **Pneumonectomy** | 30(5.3) | 13(5.1) |  | 1(3.7) |  | 16(5.6) |  |
| **Others** | 3(0.5) | 1(0.4) |  | 0(0) |  | 2(0.7) |  |