**Table 6.** Descriptive statistics of age (mean, standard deviation, minimally and maximum value) of patients divided by the molecular classification of carcinoma.

|  |  |  |
| --- | --- | --- |
| **Carcinoma classification** | **Number of patients** | **Age** |
| **Arithmetic mean** | **Standard deviation** | **Min** | **Max** | **p\*** |
| LUMINAL A | 30 | 64.00 | 14.20 | 32 | 81 | 0.005 |
| LUMINAL B HER2- | 30 | 73.20 | 11.34 | 48 | 89 |
| LUMINAL B HER2+ | 30 | 67.77 | 14.67 | 38 | 94 |
| HER2+ | 30 | 65.30 | 11.04 | 47 | 85 |
| TRIPLE NEG. | 32 | 60.50 | 14.31 | 30 | 83 |
| Total | 152 | 66.08 | 13.72 | 30 | 94 |  |

**Table 7.** Post- hoc analysis Tukey HSD test between patient's age according to types of carcinoma.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   | LUMINAL A | LUMINAL B HER2- | LUMINAL B HER2+ | HER2+ | TRIPLE NEG. |
| LUMINAL A |   | 0.055 | 0.805 | 0.996 | 0.836 |
| LUMINAL B HER2- | 0.055 |  | 0.503 | 0.140 | 0.002 |
| LUMINAL B HER2+ | 0.805 | 0.503 |  | 0.951 | 0.194 |
| HER2+ | 0.140 | 0.951 | 0.609 | 0.996 |  |
| TRIPLE NEG. | 0.836 | 0.002 | 0.194 | 0.609 |   |

**Table 8.** Number of CD4 positive cells in correlation to age: results of linear regression analysis. Statistically significant results are highlighted in red.

r- Pearson's coefficient correlation; p- level of significance.

|  |  |  |
| --- | --- | --- |
|   | **r** | **p** |
| LUMINAL A | -0.37 | 0.04 |
| LUMINAL B HER2- | -0.11 | 0.55 |
| LUMINAL B HER2+ | 0.40 | 0.03 |
| HER2+ | 0.28 | 0.14 |
| TRIPLE NEG. | -0.23 | 0.19 |

**Table 9.** Ratio of CD4 cells/overall immune infiltration depending on age.

|  |  |  |
| --- | --- | --- |
|   | **r** | **p** |
| LUMINAL A | -0.38 | 0.004 |
| LUMINAL B HER2- | -0.11 | 0.55 |
| LUMINAL B HER2+ | 0.34 | 0.063 |
| HER2+ | 0.42 | 0.021 |
| TRIPLE NEG. | -0.26  | 0.16 |
|  |  |  |

**Table 10.** Expression of CD8 in correlation to age: results of linear regression analysis. Statistically significant results are highlighted in red.

 r- pearson's coefficient correlation; p- level of significance.

|  |  |  |
| --- | --- | --- |
|   | **r** | **P** |
| LUMINAL A | -0.37 | 0.04 |
| LUMINAL B HER2- | 0.09 | 0.65 |
| LUMINAL B HER2+ | 0.37 | 0.05 |
| HER2+ | -0.14 | 0.47 |
| TRIPLE NEG. | -0.05 | 0.78 |

**Table 11.** Ratio of CD8 cells in overall immune infiltration in dependence of age.

|  |  |  |
| --- | --- | --- |
|   | **r** | **P** |
| LUMINAL A | -0.38 | 0.04 |
| LUMINAL B HER2- | -0.06 | 0.75 |
| LUMINAL B HER2+ | 0.23 | 0.22 |
| HER2+ | -0.03 | 0.89 |
| TRIPLE NEG. | 0.19 | 0.31 |
|  |  |  |

**Table 12.** Expression of GP96 according to age: results of linear regression analysis. Statistically significant results are shown in red.

r- pearson's coefficient correlation; p -level of significance.

|  |  |  |
| --- | --- | --- |
|   | **r** | **p** |
| LUMINAL A | -0.07 | 0.70 |
| LUMINAL B HER2- | -0.04 | 0.83 |
| LUMINAL B HER2+ | 0.13 | 0.48 |
| HER2+ | 0.38 | 0.04 |
| TRIPLE NEG. | 0.16 | 0.37 |