**Table 3**. Results of the multivariable Cox and Fine and Gray models for OS, DFS, CCI-LR and DM of the entire cohort and of UPS subgroup.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Overall cohort | | | | | | | |
|  | Overall survival | | Disease-free survival | | CCI of LR | | CCI of DM | |
|  | HR (95% CI) | p | HR (95% CI) | p | sHR (95% CI) | p | sHR (95% CI) | p |
| Age |  | 0,003 |  | 0,072 |  | 0,234 |  | 0,202 |
| 63.4 vs 48.6 | 1.58 (0.84 - 2.95) |  | 1.29 (0.84 - 1.99) |  | 0.96 (0.22 - 4.07) |  | 1.41 (0.96 - 2.05) |  |
| Tumor size |  | 0,002 |  | 0,004 |  | 0,440 |  | 0,001 |
| 16.8 vs 8.0 | 1.41 (0.72 - 2.75) |  | 1.84 (1.14 - 2.96) |  | 0.23 (0.02 - 2.21) |  | 2.94 (1.63 - 5.30) |  |
| FNCLCC grade |  | 0,047 |  | 0,088 |  | 0,079 |  | 0,062 |
| I/II vs III | 0.32 (0.10 - 0.99) |  | 0.57 (0.30 - 1.09) |  | 0.36 (0.03 - 4.67) |  | 0.48 (0.22 - 1.04) |  |
| RECIST |  | 0,276 |  | 0,008 |  |  |  | 0,100 |
| PR vs SD | 0.49 (0.18 - 1.34) |  | 0.60 (0.30 - 1.17) |  | 3.25 (0.63 - 16.65) | 0,400 | 0.75 (0.38 - 1.48) |  |
| PD vs SD | 1.33 (0.54 - 3.29) |  | 2.10 (1.16 - 3.8) |  | 3.47 (0.10 - 126.3) |  | 1.86 (0.94 - 3.69) |  |
| Treatment |  | 0,613 |  | 0,414 |  |  |  | 0,073 |
| naRT vs naChT | 0.95 (0.27 - 3.36) |  | 1.69 (0.75 - 3.83) |  | 0.49 (0.00 - 119.5) | 0,695 | 0.32 (0.12 - 0.87) |  |
| naChT-RT vs naChT | 1.45 (0.59 - 3.58) |  | 1.46 (0.73 - 2.91) |  | 1.60 (0.15 - 16.72) |  | 0.74 (0.34 - 1.61) |  |
| Histology |  | 0,475 |  | 0,856 |  | 0,363 |  | 0,565 |
| MFS vs UPS | 0.77 (0.37 - 1.59) |  | 1.05 (0.63 - 1.73) |  | 2.74 (0.31 - 24.15) |  | 0.85 (0.48 - 1.49) |  |
| Surgical margin |  | 0,429 |  | 0,195 |  | 0,215 |  | 0,424 |
| R1 vs R0 | 1.42 (0.60 - 3.36) |  | 1.49 (0.82 - 2.70) |  | 2.40 (0.60 - 9.56) |  | 1.35 (0.64 - 2.84) |  |
|  | Undifferentiated pleomorphic sarcoma subgroup | | | | | | | |
|  | Overall survival | | Disease-free survival | | CCI of LR | | CCI of DM | |
|  | HR (95% CI) | p | HR (95% CI) | p | sHR (95% CI) | p | sHR (95% CI) | p |
| Age |  | 0,006 |  | 0,032 |  | 0,019 |  | 0,026 |
| 71.0 vs 54.6 | 2.74 (1.47 - 5.11) |  | 1.74 (1.15 - 2.64) |  | 0.23 (0.05 - 1.03) |  | 1.78 (1.17 - 2.72) |  |
| Tumor size |  | 0,012 |  | 0,036 |  | 0,061 |  | 0,015 |
| 17.0 vs 8.5 | 1.97 (0.94 - 4.15) |  | 1.88 (1.07 - 3.28) |  | 0.05 (0.0 - 1.45) |  | 2.40 (1.32 - 4.36) |  |
| RECIST |  | 0,483 |  | 0,080 |  | 0,386 |  | 0,215 |
| PR vs SD | 0.50 (0.16 - 1.56) |  | 0.57 (0.25 - 1.27) |  | 0.33 (0.03 - 4.12) | 0,019 | 0.62 (0.28 - 1.39) |  |
| PD vs SD | 1.06 (0.37 - 2.99) |  | 1.83 (0.89 - 3.78) |  | 1.18 (0.0 - 343.2) |  | 1.67 (0.70 - 3.98) |  |
| FNCLCC grade |  | 0,138 |  | 0,051 |  |  |  | 0,098 |
| I/II vs III | 0.32 (0.07 - 1.44) |  | 0.44 (0.19 - 1.00) |  | 45.71 (1.47 - 1419) |  | 0.43 (0.16 - 1.17) |  |
| Surgical margin |  | 0,441 |  | 0,585 |  | 0,274 |  | 0,858 |
| R1 vs R0 | 0.57 (0.13 - 2.40) |  | 1.27 (0.54 - 3.00) |  | 7.40 (0.21 - 266.7) |  | 1.11 (0.36 - 3.41) |  |