**Supplementary Table 3.** Multivariate Cox’s proportional hazards regression analysis for OS.

|  |  |  |  |
| --- | --- | --- | --- |
| Items  | *P* value | HR | 95% CI |
| Lower | Upper |
| **Multivariate Cox’s regression analysis for OS by enter method** |  |  |
| PLK4 expression (high vs. low) | 0.689 | 1.503 | 0.204 | 11.071 |
| Age (≥10 years vs. <10 years) | 0.106 | 0.154 | 0.016 | 1.486 |
| Gender (male vs. female)  | 0.607 | 1.982 | 0.147 | 26.813 |
| BMI (≥16.5 kg/m2 vs. <16.5 kg/m2) | 0.898 | 0.892 | 0.155 | 5.140 |
| Immunophenotype (B-ALL vs. T-ALL) | **0.018** | 0.021 | 0.001 | 0.515 |
| FAB classification |  |  |  |  |
|  L1 | Reference  |  |  |  |
|  L2 | 0.090 | 0.028 | 0.000 | 1.755 |
|  L3 | 0.092 | 0.027 | 0.000 | 1.802 |
| WBC count (>50 Χ109/L vs. ≤50 Χ109/L) | **0.003** | 105.884 | 5.016 | 2234.928 |
| Prednisone response (D8) (PPR vs. PGR) | 0.081 | 0.075 | 0.004 | 1.376 |
| Worse bone marrow response (D15) | 0.196 | 0.236 | 0.026 | 2.111 |
| **Multivariate Cox’s regression analysis for OS by backward-stepwise method** |
| Immunophenotype (B-ALL vs. T-ALL) | **<0.001** | 0.081 | 0.021 | 0.314 |
| WBC count (>50 Χ109/L vs. ≤50 Χ109/L) | **<0.001** | 15.291 | 3.820 | 61.212 |

OS, overall survival; HR, hazard ratio; CI, confidence interval; PLK4, polo-like kinase 4; BMI, body mass index; B-ALL, B cell acute lymphoblastic leukemia; T-ALL, T cell acute lymphoblastic leukemia; FAB, French-American-British; WBC, white blood cell; PPR, plasmatic poor respond; PGR, plasmatic good respond.