**Supplementary Table 2.** Multivariate Cox’s proportional hazards regression analysis for EFS.

|  |  |  |  |
| --- | --- | --- | --- |
| Items  | *P* value | HR | 95% CI |
| Lower | Upper |
| **Multivariate Cox’s regression analysis for EFS** **by** **enter method** |  |  |
| PLK4 expression (high vs. low) | **0.035** | 4.573 | 1.112 | 18.809 |
| Age (≥10 years vs. <10 years) | 0.240 | 0.424 | 0.101 | 1.775 |
| Gender (male vs. female)  | 0.933 | 0.946 | 0.263 | 3.408 |
| BMI (≥16.5 kg/m2 vs. <16.5 kg/m2) | 0.382 | 1.641 | 0.541 | 4.977 |
| Immunophenotype (B-ALL vs. T-ALL) | 0.595 | 0.588 | 0.083 | 4.173 |
| FAB classification |  |  |  |  |
|  L1 | Reference  |  |  |  |
|  L2 | 0.395 | 0.336 | 0.027 | 4.146 |
|  L3 | 0.290 | 0.253 | 0.020 | 3.235 |
| WBC count (>50 Χ109/L vs. ≤50 Χ109/L) | **<0.001** | 10.095 | 2.938 | 34.684 |
| Prednisone response (D8) (PPR vs. PGR) | 0.628 | 0.621 | 0.091 | 4.251 |
| Worse bone marrow response (D15) | 0.718 | 1.353 | 0.263 | 6.962 |
| **Multivariate Cox’s regression analysis for EFS by backward-stepwise method** |  |
| PLK4 expression (high vs. low) | **0.036** | 3.228 | 1.080 | 9.652 |
| WBC count (>50 Χ109/L vs. ≤50 Χ109/L) | **<0.001** | 13.211 | 4.605 | 37.898 |
| Worse bone marrow response (D15) | **0.001** | 3.521 | 1.644 | 7.539 |

EFS, event-free 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.