**Supplementary Table 6. Univariate logistic regression analysis of PGS with HBsAg loss in the two PegIFNα cohorts.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameters** | **PegIFNα cohort 1** | |  | **PegIFNα cohort 2** | |  | **PegIFNα cohort 1+2** | |
| **OR (95% CI)** | ***p*** |  | **OR (95% CI)** | ***p*** |  | **OR (95% CI)** | ***p*** |
| Trial (PegIFNα cohort 1 vs. 2) | - | - |  | - | - |  | 1.12 (0.41-3.10) | 0.83 |
| Female sex | 1.07 (0.12-9.85) | 0.95 |  | 2.06 (0.76-5.61) | 0.16 |  | 1.79 (0.73-4.38) | 0.20 |
| Age, years | 0.93 (0.77-1.11) | 0.40 |  | 0.98 (0.90-1.06) | 0.59 |  | 0.97 (0.90-1.04) | 0.37 |
| HBV genotype (B vs. C) | 7.06 (0.77-64.55) | 0.08 |  | 2.46 (0.88-6.86) | 0.09 |  | 3.07 (1.23-7.69) | 0.02 |
| HBV DNA#, log10 IU/mL | 0.78 (0.43-1.42) | 0.41 |  | 0.84 (0.46-1.52) | 0.56 |  | 0.81 (0.53-1.22) | 0.31 |
| HBsAg#, log10 IU/mL | 0.73 (0.26-2.10) | 0.56 |  | 0.73 (0.30-1.78) | 0.49 |  | 0.73 (0.38-1.41) | 0.35 |
| HBeAg#, log10 PEIU/mL | 0.83 (0.36-1.91) | 0.66 |  | 1.84 (0.70-4.88) | 0.22 |  | 1.16 (0.61-2.22) | 0.65 |
| ALT#, loge ×ULN | 0.71 (0.18-2.74) | 0.62 |  | 0.35 (0.10-1.21) | 0.10 |  | 0.48 (0.20-1.16) | 0.10 |
| **PGS** | **1.89 (0.70-5.12)** | **0.21** |  | **2.02 (1.09-3.74)** | **0.02** |  | **1.98 (1.18-3.35)** | **0.01** |

PGS, polygenic score; HBsAg, hepatitis B surface antigen; PegIFNα, pegylated interferon alpha; OR, odds ratio; CI, confidence interval; HBV, hepatitis B virus; HBeAg, hepatitis B e antigen; ALT, alanine aminotransferase; ULN, upper limit of normal. #Baseline level.