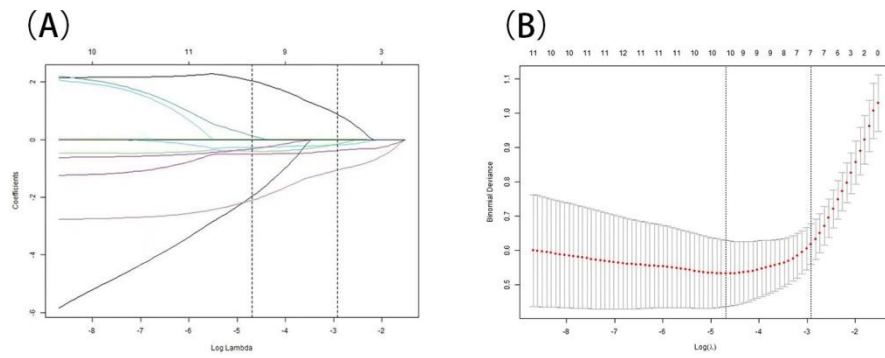




Supplementary Figure 1 LASSO regression for HBsAg clearance predictors.

A: Coefficient paths of candidate variables. Vertical dashed line at optimal regularization parameter (λ -1SE = 0.054) selects 6 non-zero predictors. B: 10-fold cross-validation curve. Optimal λ (dashed line) determined by 1-SE rule: most parsimonious model within one standard error of minimum partial likelihood deviance. HBsAg: Hepatitis B surface antigen; LASSO: Least absolute shrinkage and selection operator.

Supplementary Table 1 KM validation of HBsAg clearance after retreatment

	Median HBsAg clearance time (Weeks)	z	HR	1/HR	95%CI lower	95%CI upper	P value
RS-CG			1	1			
RS-PG		3.582	11.38	0.088	3.01	43.04	0.0003
RS-DG	28.90	6.315	56.72	0.018	16.20	198.63	<0.0001