### Table S1 Multivariate logistic regression analyzing the influence of GCV exposure on the incidence of neutropenia

| Parameters            | Crude OR (95% CI) | p-value | Adjusted OR$^a$ (95% CI) | p-value |
|-----------------------|-------------------|---------|--------------------------|---------|
| $C_{\text{min}}$      | 0.833(0.262-2.646) | 0.756   | 0.798(0.254-2.504)       | 0.699   |
| $C_{\text{max}}$      | 0.912(0.733-1.135) | 0.409   | 0.918(0.735-1.146)       | 0.449   |
| $\text{AUC}_{0-24}$   | 1.033(0.957-1.116) | 0.401   | 1.038(0.958-1.125)       | 0.359   |
| $Tc >0.025 \mu g/mL$  | 1.170(0.926-1.480) | 0.189   | 1.170(0.923-1.485)       | 0.195   |
| $Tc >0.1 \mu g/mL$    | 1.099(0.919-1.314) | 0.300   | 1.097(0.915-1.314)       | 0.317   |
| $Tc >0.2 \mu g/mL$    | 1.071(0.905-1.266) | 0.425   | 1.066(0.900-1.264)       | 0.459   |
| $Tc >0.5 \mu g/mL$    | 1.102(0.905-1.343) | 0.333   | 1.102(0.901-1.347)       | 0.344   |
| $Tc >1.0 \mu g/mL$    | 1.210(0.881-1.663) | 0.239   | 1.209(0.869-1.682)       | 0.260   |
| $Tc >1.5 \mu g/mL$    | 1.037(0.854-1.261) | 0.712   | 1.027(0.840-1.256)       | 0.797   |

$^a$ Adjusted by gender, age, and body weight.

**OR, odds ratio; $C_{\text{min}}$, trough concentration; $C_{\text{max}}$, peak concentration; $\text{AUC}_{0-24}$, the area under drug plasma concentration-time curve over 24 hours; $Tc >0.025-1.5 \mu g/mL$, the time above GCV concentration of 0.025 to 1.5 μg/mL.**

### Table S2 Chi-square tests analyzing the effects of different trough concentration levels on the incidence of neutropenia

| $C_{\text{min}}$ (μg/mL) | No neutropenia (n=84) | Neutropenia (n=20) | $\chi^2$ | p-value |
|--------------------------|------------------------|---------------------|----------|---------|
| >0.01                    | 54                     | 15                  | 0.831    | 0.362   |
| >0.02                    | 47                     | 14                  | 1.314    | 0.252   |
| >0.025                   | 43                     | 14                  | 2.307    | 0.129   |
| >0.03                    | 43                     | 13                  | 1.240    | 0.266   |
| >0.05                    | 38                     | 11                  | 0.618    | 0.432   |
| >0.1                     | 30                     | 7                   | 0.004    | 0.952   |
| >0.15                    | 22                     | 5                   | 0.012    | 0.913   |
| >0.3                     | 13                     | 4                   | 0.242    | 0.623   |
| >0.5                     | 5                      | 2                   | 0.422    | 0.516   |

$C_{\text{min}}$, trough concentration.