Figure S4.1: Trace plots show the values that the parameters $\beta, l, y, V_0$ and $R_0$ took during the runtime of the chain for patient 5 in the oseltamivir trial. Histograms show the posterior distribution of each of the parameters.
<table>
<thead>
<tr>
<th></th>
<th>$\beta$</th>
<th>$l$</th>
<th>$\gamma$</th>
<th>$V_0$</th>
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Figure S4.2: Posterior distributions of each of the unknown parameters.
Figure S4.3: Scatter plots of points in ($\beta, \gamma$) plane. Points are coloured according to their likelihood value, with the blue colour indicating the least likely values and the yellow the most likely values.

Figure S4.4: Scatter plots of points in ($\beta, I$) plane. Points are coloured according to their likelihood value, with the blue colour indicating the least likely values and the yellow the most likely values.

Figure S4.5: Scatter plots of points in ($\beta, V_0$) plane. Points are coloured according to their likelihood value, with the blue colour indicating the least likely values and the yellow the most likely values.
Figure S4.6: Scatter plots of points in ($y, V_0$) plane. Points are coloured according to their likelihood value, with the blue colour indicating the least likely values and the yellow the most likely values.

Figure S4.7: Scatter plots of points in ($l, y$) plane. Points are coloured according to their likelihood value, with the blue colour indicating the least likely values and the yellow the most likely values.

Figure S4.8: Scatter plots of points in ($l, V_0$) plane. Points are coloured according to their likelihood value, with the blue colour indicating the least likely values and the yellow the most likely values.