Oral Dosing

Sungpil Han 2017-07-08

Contents

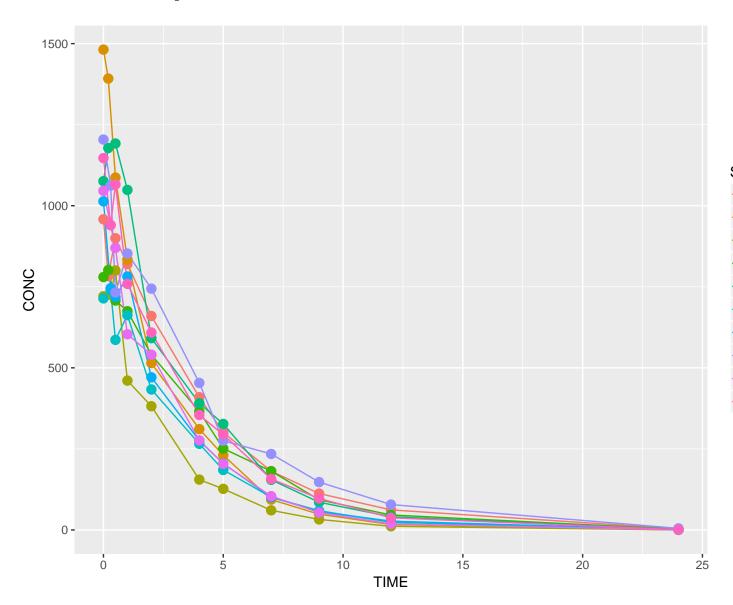
| IV Dosing Simulation | | | | | 1 |
|------------------------------|---------|------|------|------|-----|
| Setting variables | | | | | . 1 |
| Concentration-time plot $$. | | | | | . 2 |
| Individual concentration-ti | me plot | | | | . 3 |
| Appendix | | | | | 3 |
| Source table | | | | | . 3 |

IV Dosing Simulation

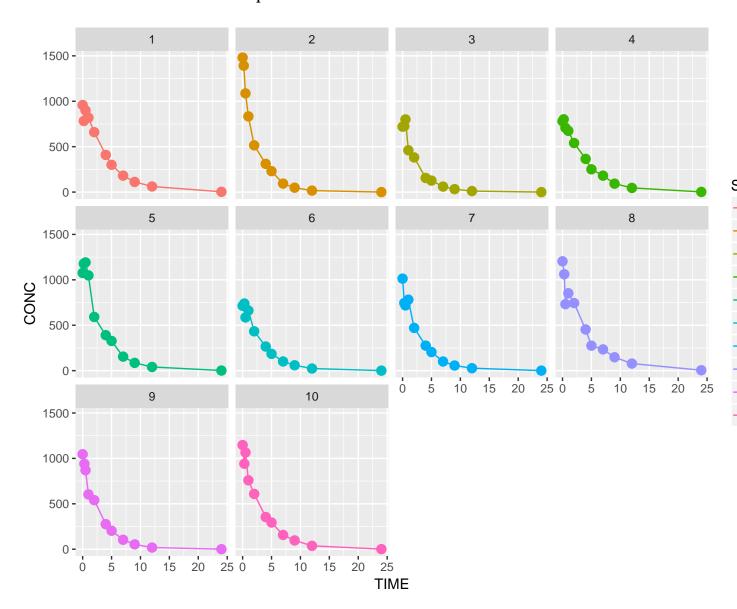
Setting variables

| param | value |
|---------------------|--|
| nSubj | 10 |
| CL | 30 |
| V | 100 |
| Ka | 2 |
| BioA | 1 |
| DH1 | 0, 100000 |
| Time | 0, 0.25, 0.5, 1, 2, 4, 5, 7, 9, 12, 24 |
| PropE | 0.1 |
| AddE | 0.1 |
| LLoQ | 0 |
| $_{ m Jitter}$ | 1 |
| FullCov | 0.04,0.03,0.03,0.04 |
| concLog | FALSE |

Concentration-time plot



Individual concentration-time plot



Appendix

Source table

| SUBJ | nTIME | TIME | CONC |
|------|------------------|------|---------|
| 1 | 0.00 | 0.0 | 958.248 |
| 1 | 0.25 | 0.2 | 782.826 |
| 1 | 0.50 | 0.5 | 899.770 |
| 1 | 1.00 | 1.0 | 819.917 |
| 1 | 2.00 | 2.0 | 659.851 |
| 1 | 4.00 | 4.0 | 409.445 |
| 1 | 5.00 | 5.0 | 300.704 |
| | | | |

| SUBJ | nTIME | TIME | CONC |
|--------|-----------------------|---------------------|---------------------|
| 1 | 7.00 | 7.0 | 181.370 |
| 1 | 9.00 | 9.0 | 112.249 |
| 1 | 12.00 | 12.0 | 61.841 |
| 1 | 24.00 | 24.0 | 3.312 |
| 2 | 0.00 | 0.0 | 1481.598 |
| 2 | 0.25 | 0.2 | 1392.166 |
| 2 | 0.50 | 0.5 | 1086.881 |
| 2 | 1.00 | 1.0 | 833.737 |
| 2 | 2.00 | 2.0 | 514.762 |
| 2 | 4.00 | 4.0 | 311.077 |
| 2 | 5.00 | 5.0 | 230.565 |
| 2 | 7.00 | 7.0 | 93.578 |
| 2 | 9.00 | 9.0 | 48.412 |
| 2 | 12.00 | 12.0 | 16.463 |
| 2 | 24.00 | 24.0 | 0.259 |
| 3 | 0.00 | 0.0 | 720.668 |
| 3 | 0.25 | 0.3 | 725.620 |
| 3 | 0.50 | 0.5 | 800.313 |
| 3 | 1.00 | 1.0 | 460.663 |
| 3 | 2.00 | 2.0 | 381.665 |
| 3 | 4.00 | 4.0 | 155.219 |
| 3 | 5.00 | 5.0 | 126.713 |
| 3 | 7.00 | 7.0 | 60.531 |
| 3 | 9.00 | 9.0 | 32.424 |
| 3 | 12.00 | 12.0 | 11.234 |
| 3 | 24.00 | 24.0 | 0.000 |
| 4 | 0.00 | 0.0 | 780.032 |
| 4 | 0.25 | 0.2 | 801.513 |
| 4 | 0.50 | 0.5 | 707.590 |
| 4 | 1.00 | 1.0 | 674.734 |
| 4 | 2.00 | 2.0 | 540.179 |
| 4 | 4.00 | 4.0 | 365.488 |
| 4 | 5.00 | 5.0 | 250.991 |
| 4 | 7.00 | 7.0 | 181.260 |
| 4 | 9.00 | 9.0 | 92.887 |
| 4 | 12.00 | 12.0 | 46.185 |
| 4 | 24.00 | 24.0 | 2.125 |
| 5 | 0.00 | 0.0 | 1075.782 |
| 5 5 | 0.25 | 0.2 | 1178.051 |
| 5 5 | 0.50 | 0.5 | 1191.953 |
| 5 5 | $\frac{1.00}{2.00}$ | $\frac{1.0}{2.0}$ | 1048.815 591.498 |
| 5 5 | $\frac{2.00}{4.00}$ | $\frac{2.0}{4.0}$ | 390.767 |
| 5 5 | | | |
| 5 5 | 5.00 | 5.0 | 327.003 |
| 5 5 | 7.00 9.00 | 7.0 | 154.645 85.459 |
| 5 5 | 12.00 | $9.0 \\ 12.0$ | 40.774 |
| 5 5 | $\frac{12.00}{24.00}$ | $\frac{12.0}{24.0}$ | 1.389 |
| 6 | 0.00 | 0.0 | 714.190 |
| 6 | 0.00 0.25 | $0.0 \\ 0.3$ | 739.253 |
| 6 | 0.25 0.50 | 0.5 | 586.262 |
| 6 | 1.00 | 1.0 | 662.449 |
| v | 1.00 | 1.0 | 502.110 |

| SUBJ | nTIME | TIME | CONC |
|------|-------|------|----------|
| 6 | 2.00 | 2.0 | 433.329 |
| 6 | 4.00 | 4.0 | 265.606 |
| 6 | 5.00 | 5.0 | 184.995 |
| 6 | 7.00 | 7.0 | 101.199 |
| 6 | 9.00 | 9.0 | 59.319 |
| 6 | 12.00 | 12.0 | 23.491 |
| 6 | 24.00 | 24.0 | 0.545 |
| 7 | 0.00 | 0.0 | 1013.516 |
| 7 | 0.25 | 0.3 | 745.675 |
| 7 | 0.50 | 0.5 | 718.587 |
| 7 | 1.00 | 1.0 | 781.679 |
| 7 | 2.00 | 2.0 | 470.730 |
| 7 | 4.00 | 4.0 | 275.556 |
| 7 | 5.00 | 5.0 | 204.793 |
| 7 | 7.00 | 7.0 | 100.950 |
| 7 | 9.00 | 9.0 | 56.513 |
| 7 | 12.00 | 12.0 | 27.106 |
| 7 | 24.00 | 24.0 | 0.605 |
| 8 | 0.00 | 0.0 | 1204.143 |
| 8 | 0.25 | 0.3 | 1061.959 |
| 8 | 0.50 | 0.5 | 732.396 |
| 8 | 1.00 | 1.0 | 852.596 |
| 8 | 2.00 | 2.0 | 744.233 |
| 8 | 4.00 | 4.0 | 453.497 |
| 8 | 5.00 | 5.0 | 275.102 |
| 8 | 7.00 | 7.0 | 234.347 |
| 8 | 9.00 | 9.0 | 147.534 |
| 8 | 12.00 | 12.0 | 78.242 |
| 8 | 24.00 | 24.0 | 4.850 |
| 9 | 0.00 | 0.0 | 1046.097 |
| 9 | 0.25 | 0.3 | 939.874 |
| 9 | 0.50 | 0.5 | 870.022 |
| 9 | 1.00 | 1.0 | 603.659 |
| 9 | 2.00 | 2.0 | 540.365 |
| 9 | 4.00 | 4.0 | 276.078 |
| 9 | 5.00 | 5.0 | 203.832 |
| 9 | 7.00 | 7.0 | 104.226 |
| 9 | 9.00 | 9.0 | 53.603 |
| 9 | 12.00 | 12.0 | 18.484 |
| 9 | 24.00 | 24.0 | 0.515 |
| 10 | 0.00 | 0.0 | 1146.980 |
| 10 | 0.25 | 0.3 | 940.658 |
| 10 | 0.50 | 0.5 | 1065.293 |
| 10 | 1.00 | 1.0 | 758.973 |
| 10 | 2.00 | 2.0 | 608.940 |
| 10 | 4.00 | 4.0 | 354.563 |
| 10 | 5.00 | 5.0 | 294.133 |
| 10 | 7.00 | 7.0 | 157.238 |
| 10 | 9.00 | 9.0 | 97.078 |
| 10 | 12.00 | 12.0 | 37.414 |
| 10 | 24.00 | 24.0 | 0.994 |
| | | | |