| **Supplemental Digital Content 1.** Summary statistics by age group for ceftobiprole medocaril PK parameters from Study BPR-PIP-002 derived using non-compartmental methods (4 groups) | | | | | | | | |
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| PK Parameter | Infants (3 months – 1 year)  20 mg/kg IV over 4 hours | | Children (2 – 5 years)  20 mg/kg IV over 2 hours | | Children (6 – 11 years)  15 mg/kg IV over 2 hours | | Adolescents (12 – 17 years)  10 mg/kg IV over 2 hours | |
| N | Mean (CV%)  Median (Min – Max) | N | Mean (CV%)  Median (Min – Max) | N | Mean (CV%)  Median (Min – Max) | N | Mean (CV%)  Median (Min – Max) |
| Cmax (μg/mL) | 1 | 10.8 (―)  10.8 (10.8 – 10.8) | 14 | 3.62 (189%)  0.758 (0.0318 – 22.7) | 6 | 3.02 (157%)  0.985 (0.0217 – 10.1) | 8 | 0.840 (169%)  0.350 (0.0133 – 3.99) |
| Tmax (h) | 1 | 4.07 (―)  4.07 (4.07 – 4.07) | 14 | 2.17 (67.0%)  2.03 (0 – 6.00) | 6 | 5.00 (68.6%)  4.98 (2.03 – 8.00) | 8 | 1.45 (68.4%)  2.03 (0 – 2.08) |
| AUC0-last (μg•h/mL) | 1 | 28.9 (―)  28.9 (28.9 – 28.9) | 14 | 4.39 (183%)  1.04 (0.0323 – 26.9) | 6 | 10.4 (165%)  2.78 (0.0868 – 36.0) | 8 | 0.937 (164%)  0.319 (0.0139 – 3.99) |
| Note: AUC0-last, area under the plasma concentration-time curve from time zero to the last measured concentration; Cmax, maximum plasma concentration; CV%, percent coefficient of variation; h, hours; IV, intravenous(ly); Max, maximum; Min, minimum; mL, milliliters; μg, micrograms; N, number of observations or subjects; Tmax, time at which maximum concentration occurs. | | | | | | | | |