**Supplemental Table 1: Neonates and ketorolac administration**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Patients and Variables** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
| Age at Surgery (days) | 3 | 8 | 2 | 21 | 18 | 27 | 5 | 7 | 9 | 17 | 2 |
| Gender | Male | Male | Male | Female | Female | Male | Male | Female | Male | Male | Male |
| Weight (kg) | 3.1 | 2.8 | 3.3 | 2.9 | 3.2 | 4.5 | 3.1 | 3.1 | 2.5 | 3.8 | 3.3 |
| Case STAT Category (1-5) | 1 | 4 | 5 | 1 | 3 | 3 | 5 | 3 | 1 | 1 | 2 |
| Cardiopulmonary Bypass Time (min)\* | 0 | 129 | 164 | 169 | 215 | 140 | 179 | 113 | 0 | 0 | 144 |
| Cross Clamp time (min) | 16 | 36 | 64 | 103 | 121 | 85 | 59 | 37 | 0 | 15 | 74 |
| Time to Ketorolac Initiation (hrs.) | 6.1 | 8.1 | 7.3 | 6 | 7.2 | 18 | 22 | 6 | 4.5 | 10.2 | 18 |
| Ketorolac Dose (mg/kg) | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Ketorolac frequency, (hrs.) | 6 | 6 | 6 | 6 | 6 | 6 | 12 | 6 | 6 | 6 | 12 |
| Ketorolac duration (hrs.) | 48 | 36 | 48 | 48 | 6 | 12 | 24 | 48 | 48 | 48 | 24 |
| SCr (Baseline), mg/dL | 0.73 | 0.55 | 0.65 | 0.39 | 0.3 | 0.32 | 0.33 | 0.21 | 0.44 | 0.44 | 0.62 |
| SCr (ICU admission), mg/dL | 0.66 | 0.51 | 0.54 | 0.39 | 0.42 | 0.34 | 0.51 | 0.33 | 0.39 | 0.44 | 0.62 |
| SCr (0 to ≤24 hrs. post ketorolac initiation), mg/dL | 0.6 | 0.58 | 0.43 | 0.42 | 0.6 | 0.4 | 0.45 | 0.43 | 0.39 | 0.36 | 0.58 |
| SCr (24 to ≤48 hrs. post ketorolac initiation), mg/dL | 0.73 | 0.6 | 0.41 | 0.36 | 0.6 | 0.4 | 0.45 | 0.42 | 0.39 | 0.49 | 0.56 |
| SCr (0 to ≤24 hrs. post ketorolac discontinuation), mg/dL | 0.68 | 0.6 | 0.44 | 0.34 | 0.52 | 0.54 | 0.37 | 0.44 | 0.39 | 0.49 | 0.54 |
| SCr (24 to ≤48 hrs. post ketorolac discontinuation), mg/dL | 0.5 | 0.49 | 0.37 | 0.26 | 0.48 | 0.33 | 0.37 | 0.45 | 0.21 | 0.25 | 0.56 |
| SCr (48 to ≤72 hrs. post ketorolac discontinuation), mg/dL | 0.5 | 0.3 | 0.35 | 0.3 | 0.46 | 0.27 | 0.34 | 0.42 | 0.26 | 0.25 | 0.41 |
| Post-op blood transfusion within 24 hrs. ketorolac initiation | No | No | Yes | No | No | No | Yes | No | No | No | No |
| Bleeding leading to organ dysfunction (PELOD score) | No | No | No | No | No | No | No | No | No | No | No |
| Chest tube output (mL/kg/hr) before ketorolac | 0.97 | 1.76 | 1.97 | 3.3 | 1.31 | 2.46 | 1.92 | 1.95 | - | 0.8 | 2.41 |
| Chest tube output (mL/kg/hr) within 24 hrs. ketorolac initiation | 0.6 | 0.9 | 1.1 | 2.2 | 0.4 | 0.8 | 1 | 1.05 | - | 0.25 | 1.1 |
| Chest tube output (mL/kg/hr) 24-48 hrs. ketorolac initiation | 0.3 | 0 | 0.9 | 1.6 | 0 | 0.4 | 0.8 | 0.3 | - | 0.1 | 0.4 |
| Other nephrotoxic agents |  |  | Ketorolac + aspirin |  | Vancomycin |  | Ketorolac + heparin, then ketorolac + aspirin |  |  | Vancomycin |  |
| \*3 patients did not require CPB due to thoracotomy | | | | | | | | | | | |