|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Dose (mg/kg) | Concentration of vial (mg/ml) | Weight of patient  (kg) | Calculated volume (ml) | Volume administered (mg) |
| Flumixin | 2.2 | 50 | 175 | 7.7 | 7.7 |
| Lidocaine | 1 | 20 | 175 | 8.75 | 10 ml |
| Penstrep | 20,000 | 200,000 | 175 | 17.5 | 17.5 |
|  |  |  |  |  |  |

Volume was calculated using the formula:

The toxic dose of lidocaine is 10 mg/kg. When this dose was calculated, the result indicated that the toxic dose of lidocaine for the patient is 87.5 ml. Therefore, with this information we proceeded to increase the volume of lidocaine from 8.75ml to 10ml in this patient to ensure each nerve block site got adequate anesthesia; 5ml each.