|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Reference** | **Database** | | **Mean difference** | **Agreement** | **p** | **R2\*** | **ICC\*\* (CI95%)** |
| **Median [min-max]** | **Missing data** | **Median [min-max]** |
| **Monitors’ data** |  | 74 (2%) |  |  |  |  |  |  |
| Heart rate (bpm) | 117 [49-199] | 25 (2%) | 117 [49-199] | -0.019 | 99.7% | 0.18 | 1 | 1 (1-1) |
| Respiratory rate (bpm) | 28 [11-89] | 8 (1%) | 28 [11-89] | -0.001 | 99.9% | 1 | 1 | 1 (1-1) |
| Pulse oxymetry (%) | 100 [74-100] | 10 (1%) | 100 [74-100] | 0 | 100.0% | NA | 1 | 1 (1-1) |
| Pulse (bpm) | 120 [35-173] | 12 (4%) | 120 [35-173] | 0 | 100.0% | NA | 1 | 1 (1-1) |
| Expiratory tidal CO2 (mmHg) | 33 [19-49] | 1 (1%) | 33 [19-49] | 0 | 100.0% | NA | 1 | 1 (1-1) |
| Systolic blood pressure (mmHg) | 92.5 [78-128] | 6 (11%) | 94 [78-128] | 0 | 100.0% | NA | 1 | 1 (1-1) |
| Diastolic blood pressure (mmHg) | 51 [44-76] | 6 (11%) | 51 [44-76] | 0 | 100.0% | NA | 1 | 1 (1-1) |
| Mean blood pressure (mmHg) | 66 [55-97] | 6 (9%) | 66.5 [55-97] | 0 | 100.0% | NA | 1 | 1 (1-1) |
| Central venous pressure (mmHg) | 9 [6-25] | 0 | 9 [6-25] | 0 | 100.0% | NA | 1 | 1 (1-1) |
| **Ventilators’ data** |  | 0 |  |  |  |  |  |  |
| Positive end expiratory pressure (cmH2O) | 7 [5-13] | 0 | 7 [5-13] | 0 | 100% | NA | 1 | 1 (1-1) |
| Positive inspiratory pressure (cmH2O) | 18 [8-35] | 0 | 18 [8-35] | -0.022 | 95.5% | 0.02 | 1 | 1 (1-1) |
| Respiratory rate (rpm) | 34 [11-56] | 0 | 34 [11-56] | 0.008 | 94% | 0.53 | 1 | 1 (1-1) |
| Expiratory tidal volume (ml) | 25 [5.50-600] | 0 | 25 [5.50-600] | -0.015 | 97% | 0.07 | 1 | 1 (1-1) |
| Minute ventilation (L/min) | 1 [0.4-7] | 0 | 1 [0.4-7] | 0 | 100% | NA | 1 | 1 (1-1) |
| **Infusion pumps** |  |  |  |  |  |  |  |  |
| Rate of infusion (ml/h) | 1.3 [0-100] | 23 (9%) | 1.3 [0-100] | 0 | 100% | NA | 1 | 1 (1-1) |

Table 2: Comparison between reference data and database data