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| **Supplementary Table 1: User comments on Control and Test devices** |  |  |  |  |  |
| **Test device positive** | **n=** | **Test device negative** | **n=** | **Control device positive** | **n=** | **Control device negative** | **n=** |
| **Registered nurse comments** |  |
| More accurate | 17 | Hard to turn | 9 | Easier to use | 14 | Less accurate | 8 |
| Easier to use | 6 | Numbers on dial don't correlate with flow | 5 | Can be used with one hand | 8 | Damages tube | 4 |
| Index clicks helpful | 3 | Requires two hands | 5 | Simple | 4 | Not Accurate | 3 |
| Less likely to give free flow | 3 | Sensitive | 2 | Familiar | 3 | Too sensitive | 1 |
| Bigger so easier to use | 2 | Hard to set up | 2 | More accurate | 1 | Slower to use | 1 |
| Avoids needing infusion pump if not available | 1 | Iv pump better | 2 |  |  | Iv pump better | 1 |
| Safer | 1 | Presumable more expensive | 1 |  |  | Unreliable | 1 |
| Looks good | 1 | Time consuming | 1 |  |  |  |  |
|  |  | Too big | 1 |  |  |  |  |
|  |  | Unfamiliar | 1 |  |  |  |  |
| **Student nurse comments** |  |
| More accurate | 14 | Hard to turn | 21 | Easier to use | 18 | Unreliable | 6 |
| Less likely to cause free flow | 9 | Requires two hands | 6 | Can use with one hand | 8 | Hard to control | 6 |
| Easier to use | 5 | Too big | 4 | Simple | 2 | Less accurate | 3 |
| Quicker | 4 | Sensitive | 3 | Quicker | 2 | Sensitive | 3 |
| Safer | 2 | Painful | 1 | Less sensitive | 1 | Don’t know direction to move dial | 1 |
| Numbers indicate direction to move dial | 2 |  |  | More accurate | 1 | Fragile | 1 |
| Indexing is helpful | 3 |  |  | More reliable | 1 |  |  |
| Larger dial | 1 |  |  |  |  |  |  |