Supplemental Digital Content Table 2. Postoperative Respiratory and Cardiovascular Data

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| --- | --- | --- | --- | --- |
|  | Methadone Group | Methadone/Ketamine Group | Difference (99% CI) | P Value |
| Hypoxia, SpO2 < 90% |  |  |  |  |
| At PACU admission | 0/61 ( 0%) | 1/66 ( 2%) | -2% (-12 to 8%) | > 0.999 |
| PACU I hr after admission | 4/61 ( 7%) | 0/66 ( 0%) | 7% (- 3 to 20%) | 0.101 |
| Postoperative Day 1 AM | 1/61 ( 2%) | 0/66 ( 0%) |  2% (- 8 to 13%) | 0.961 |
| Postoperative Day 1 PM | 0/61 ( 0%) | 1/66 ( 2%) | -2% (-12 to 8%) | > 0.999 |
| Postoperative Day 2 AM | 1/61 ( 2%) | 2/64 ( 3%) | -2% (-13 to 10%) | > 0.999 |
| Postoperative Day 2 PM | 0/60 ( 0%) | 0/63 ( 0%) | - | - |
| Postoperative Day 3 AM | 1/58 ( 2%) | 0/56 ( 0%) | 2% (- 9 to 13%) | > 0.999 |
| Postoperative Day 3 PM | 0/49 ( 0%) | 0/33 ( 0%) | - | - |
| O2 saturation, % |  |  |  |  |
| At PACU admission | 98 ± 2 | 98 ± 3 | 0 (-1 to 1) | 0.783 |
| PACU I hr after admission | 98 ± 4 | 98 ± 2 | -1 (-2 to 1) | 0.139 |
| Postoperative Day 1 AM | 97 ± 2 | 97 ± 2 | 0 (-1 to 1) | 0.954 |
| Postoperative Day 1 PM | 96 ± 2\* | 97 ± 3 | -1 (-2 to 1) | 0.296 |
| Postoperative Day 2 AM | 96 ± 3 | 96 ± 3† | 0 (-1 to 1) | 0.745 |
| Postoperative Day 2 PM | 96 ± 3\* | 97 ± 2† | -1 (-2 to 0) | 0.048 |
| Postoperative Day 3 AM | 96 ± 2‡ | 96 ± 2§ | 0 (-2 to 1) | 0.400 |
| Postoperative Day 3 PM | 96 ± 2ǁ | 97 ± 3\*\* | -1 (-2 to 1)  | 0.484 |
| Hypoventilation, Respiratory rate < 8 breaths.min-1 |
| At PACU admission | 1/61 ( 2%) | 4/66 ( 6%) | - 4% (-17 to 7%) | 0.416 |
| PACU I hr after admission | 7/61 (12%) | 3/66 ( 5%) | 7% (- 7 to 22%)  | 0.263 |
| Postoperative Day 1 AM | 0/61 ( 0%) | 1/66 ( 2%) | - 2% (-12 to 8%) | > 0.999 |
| Postoperative Day 1 PM | 1/61 ( 2%) | 0/66 ( 0%) | 2% (- 8 to 13%) | 0.961 |
| Postoperative Day 2 AM | 0/61 ( 0%) | 0/64 ( 0%) | - | - |
| Postoperative Day 2 PM | 0/60 ( 0%) | 0/63 ( 0%) | - | - |
| Postoperative Day 3 AM | 0/58 ( 0%) | 0/56 ( 0%) | - | - |
| Postoperative Day 3 PM | 0/49 ( 0%) | 0/33 ( 0%) | - | - |
| Respiratory rate, breaths.min-1 |  |  |  |  |
| At PACU admission | 15 ± 4 | 14 ± 3 | 1 (-1 to 2) | 0.341 |
| PACU I hr after admission | 14 ± 4 | 14 ± 3 | 1 (-1 to 2) | 0.762 |
| Postoperative Day 1 AM | 18 ± 1 | 17 ± 2 | 0 ( 0 to 1) | 0.611 |
| Postoperative Day 1 PM | 18 ± 1 | 18 ± 2 | 0 (-1 to 1) | 0.342 |
| Postoperative Day 2 AM | 18 ± 1 | 18 ± 1†† | 0 ( 0 to 1) | 0.225 |
| Postoperative Day 2 PM | 18 ± 1\* | 18 ± 1† | 0 ( 0 to 1) | 0.257 |
| Postoperative Day 3 AM | 18 ± 1‡ | 18 ± 1§ | 0 ( 0 to 1) | 0.088 |
| Postoperative Day 3 PM | 18 ± 2ǁ | 18 ± 1\*\* | 0 (-1 to 1) | 0.777 |
| Heart rate, beats.min-1 |  |  |  |  |
| At PACU admission | 80 ± 14 | 82 ± 16‡‡ | -2 (-9 to 5) | 0.389 |
| PACU I hr after admission | 76 ± 14§§ | 77 ± 13 | -1 (-7 to 5) | 0.662 |
| Postoperative Day 1 AM | 77 ± 14 | 77 ± 14 | 0 (-6 to 7) | 0.943 |
| Postoperative Day 1 PM | 78 ± 14\* | 79 ± 13 | -1 (-7 to 6) | 0.908 |
| Postoperative Day 2 AM | 81 ± 15 | 83 ± 12†† | -2 (-8 to 4) | 0.470 |
| Postoperative Day 2 PM | 83 ± 14\* | 85 ± 14† | -2 (-8 to 5) | 0.516 |
| Postoperative Day 3 AM | 81 ± 13‡ | 82 ± 11§ | -1 (-7 to 5) | 0.766 |
| Postoperative Day 3 PM | 82 ± 14ǁ | 83 ± 13\*\* | -1 (-9 to 8) | 0.849 |
| Mean arterial pressure, mm Hg |  |  |  |  |
| At PACU admission | 93 ± 14 | 90 ± 14†† | 3 (-4 to 9) | 0.384 |
| PACU I hr after admission | 91 ± 13§§ | 89 ± 12 | 2 (-3 to 9) | 0.212 |
| Postoperative Day 1 AM | 82 ± 11 | 83 ± 11 | -1 (-7 to 3) | 0.403 |
| Postoperative Day 1 PM | 82 ± 11\* | 84 ± 11 | -2 (-6 to 4) | 0.538 |
| Postoperative Day 2 AM | 85 ± 12 | 85 ± 12†† | 0 (-5 to 6) | 0.822 |
| Postoperative Day 2 PM | 84 ± 12\* | 84 ± 10† | 0 (-5 to 5) | 0.961 |
| Postoperative Day 3 AM | 87 ± 12‡ | 88 ± 10§ | -1 (-6 to 5) | 0.899 |
| Postoperative Day 3 PM | 89 ± 11ǁǁ | 84 ± 10\*\* | 5 (-2 to 11) | 0.053 |

Data are mean ± S.D. or number of patients (%). Data reported as mean ± S.D. were compared with the unpaired t-test and data reported as number of patients (%) were compared using the Fisher exact probability test because at least one of the cells of the contingency table had an expected n < 5. No within-group (i.e., across time) comparisons have been made. N = 61 in the methadone group and n = 66 in the methadone/ketamine group, except where indicated.

\*n = 60, †n = 63, ‡n = 58, §n = 56, ǁn = 49, \*\*n = 33, ††n = 64, ‡‡n = 65, §§n = 59, ǁǁn = 48

PACU = postanesthesia care unit