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| --- | --- | --- | --- | --- | --- | --- |
| **Supplemental Data File 2. Summary of demographics and baseline characteristics used for the propensity matching, between matched and unmatched patients.** | | | | | | |
| **Variable** | **Nitrous** | | | **Non-Nitrous** | | |
| **Matched** | **Unmatched** | **D** | **Matched** | **Unmatched** | **D** |
| **N=10,746** | **N=6,215** |  | **N=10,746** | **N=9,902** |  |
| Gender (Male) – % | 4990 (46) | 2817 (45) | 0.02 | 4877 (45) | 4742 (48) | -0.05 |
| Age – yr | 56 ± 16 | 54 ± 16 | 0.13 | 56±16 | 57±16 | -0.09 |
| Body Mass Index – kg/m2 | 28 [24,32] | 28 [24,32] | 0.01 | 28 [24,32] | 28 [24,34] | -0.09 |
| Race – % |  |  | 0.11 |  |  | 0.02 |
| Caucasian | 8864 (82) | 4871 (78) |  | 8878 (83) | 8243 (83) |  |
| African American | 1186 (11) | 888 (14) |  | 1201 (11) | 1057 (11) |  |
| ASA physical status – % |  |  | 0.34 |  |  | 0.37 |
| I | 466 ( 4) | 614 (10) |  | 686 ( 6) | 270 ( 3) |  |
| II | 4906 (46) | 3393 (55) |  | 5053 (47) | 3395 (34) |  |
| III | 4999 (47) | 2116 (34) |  | 4569 (43) | 5340 (54) |  |
| IV | 375 ( 3) | 92 ( 1) |  | 438 ( 4) | 897 ( 9) |  |
| Charlson comorbidity score – % |  |  | 0.37 |  |  | 0.26 |
| 0 | 5267 (49) | 4018 (65) |  | 5581 (52) | 3971 (40) |  |
| 1 | 1672 (16) | 948 (15) |  | 1692 (16) | 1844 (19) |  |
| 2 | 2026 (19) | 773 (12) |  | 1965 (18) | 1966 (20) |  |
| 3 | 690 ( 6) | 172 ( 3) |  | 544 ( 5) | 775 ( 8) |  |
| 4 | 1091 (10) | 304 ( 5) |  | 964 ( 9) | 1346 (14) |  |
| Admission for complication, Yes - % | 499 ( 5) | 511 ( 8) | -0.15 | 581 ( 5) | 373 ( 4) | 0.08 |
| *Medical history* |  |  |  |  |  |  |
| Cancer, Yes - % | 3740 (35) | 1546 (25) | 0.22 | 3560 (33) | 3251 (33) | 0.01 |
| CVD, Yes - % | 5198 (48) | 2735 (44) | 0.09 | 5109 (48) | 5243 (53) | -0.11 |
| Dementia, Yes - % | 54 ( 1) | 29 ( 0) | 0.00 | 52 ( 0) | 72 ( 1) | -0.03 |
| Diabetes, Yes - % | 1444 (13) | 741 (12) | 0.05 | 1390 (13) | 1696 (17) | -0.12 |
| Digestive disease, Yes - % | 3361 (31) | 1393 (22) | 0.20 | 2946 (27) | 3846 (39) | -0.24 |
| Pulmonary disease, Yes - % | 1199 (11) | 503 ( 8) | 0.10 | 1096 (10) | 1359 (14) | -0.11 |
| Chronic renal failure, Yes - % | 439 ( 4) | 143 ( 2) | 0.10 | 376 ( 4) | 450 ( 5) | -0.05 |
| Malabsorption, Yes - % | 35 ( 0) | 7 ( 0) | 0.05 | 38 ( 0) | 36 ( 0) | -0.00 |
| Bone marrow failure, Yes - % | 15 ( 0) | 7 ( 0) | 0.01 | 30 ( 0) | 54 ( 1) | -0.04 |
| Year of surgery- % |  |  | 0.57 |  |  | 0.42 |
| 2005 | 1550 (14) | 1728 (28) |  | 1473 (14) | 839 ( 8) |  |
| 2006 | 3502 (33) | 2668 (43) |  | 3051 (28) | 1757 (18) |  |
| 2007 | 2680 (25) | 1185 (19) |  | 2884 (27) | 2452 (25) |  |
| 2008 | 2367 (22) | 541 (9) |  | 2658 (25) | 3519 (36) |  |
| 2009 | 647 (6) | 93 (2) |  | 680 ( 6) | 1335 (13) |  |
| Anesthesiologist ‡ - % |  |  | 0.83 |  |  | 0.73 |
| 637 | 362 (3) | 364 (6) |  | 393 ( 4) | 105 ( 1) |  |
| W09 | 340 (3) | 164 (3) |  | 303 ( 3) | 276 ( 3) |  |
| S33 | 282 (3) | 56 (1) |  | 265 ( 2) | 440 ( 4) |  |
| O08 | 111 (1) | 10 (0) |  | 115 ( 1) | 675 ( 7) |  |
| B69 | 263 (2) | 159 (3) |  | 303 ( 3) | 133 ( 1) |  |
| Summary statistics was presented as % of patients, mean ± SD, or median [Q1, Q3]  \* D = Standardized differences (matched minus unmatched): difference in means or proportions divided by pooled standard deviation***;*** > 0.1 in absolute value indicates slightly imbalance.  ‡ 5 most frequent Anesthesiologists are listed.  Abbreviations: ASA= American Society of Anesthesiologists; CVD= cardiovascular disease | | | | | | |