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| Table 1: Demographic and Clinical Characteristics of Study Cohort | | | | |
|  | **Total**  **(n=2665)** | **Without Acute POUR (n=1835)** | **With Acute POUR (n=830)** | **p value** |
| **Age, years** | 71.2 (6.8) | 70.8 (6.7) | 72.0 (6.8) | **<0.001** |
| **Age ≥ 70** | 1455 (54.6) | 956 (52.1) | 499 (60.1) | **<0.001** |
| **Body mass index, kg/m2** | 27.6 (4.8) | 27.9 (4.8) | 27.1 (4.7) | **<0.001** |
| **Parity** | 2 (2-3) | 2 (2-3) | 2 (2-3) | **0.037** |
| **Current smoker** | 98 (3.9) | 61 (3.5) | 37 (4.6) | 0.17 |
| **Hispanic ethnicity** | 17 (0.7) | 12 (0.7) | 5 (0.6) | 0.87 |
| **Race** | | | | 0.12 |
| **White** | 2516 (96.1) | 1739 (96.6) | 775 (95.0) |  |
| **Black** | 61 (2.3) | 35 (1.9) | 26 (3.2) |  |
| **Other\*** | 42 (1.6) | 27 (1.5) | 15 (1.8) |  |
| **Pelvic Organ Prolapse Quantification Stage** | | | | 0.57 |
| **Stage 1** | 5 (0.2) | 4 (0.2) | 1 (0.1) |  |
| **Stage 2** | 646 (24.3) | 457 (25.0) | 189 (22.8) |  |
| **Stage 3** | 1691 (63.6) | 1157 (63.3) | 534 (64.5) |  |
| **Stage 4** | 315 (11.9) | 211 (11.5) | 104 (12.6) |  |
| **Past Medical History** | | | |  |
| **Hypertension** | 1384 (53.2) | 946 (52.8) | 438 (54.1) | 0.53 |
| **Diabetes** | 344 (13.3) | 232 (13.0) | 112 (13.8) | 0.54 |
| **History of stroke** | 41 (1.6) | 26 (1.5) | 15 (1.9) | 0.45 |
| **Charlson Comorbidity Index** | 3 (2-4) | 3 (2-4) | 3 (2-4) | **<0.001** |
| **Score 1-2 (Mild)** | 783 (30.3) | 581 (32.6) | 202 (25.1) | **<0.001** |
| **Score 3-4 (Moderate)** | 1326 (51.3) | 882 (49.5) | 444 (55.1) | **0.009** |
| **Score 5+ (Severe)** | 478 (18.5) | 318 (17.9) | 160 (19.9) | 0.226 |
| **Past Surgical History** | | | |  |
| **Prior hysterectomy** | 1041 (39.0) | 757 (41.1) | 284 (34.1) | **0.001** |
| **Prior prolapse surgery** | 374 (14.0) | 279 (15.2) | 95 (11.4) | **0.010** |
| **Prior incontinence surgery** | 208 (7.8) | 161 (8.8) | 47 (5.7) | **0.006** |
| **Surgical Approach** | | | |  |
| **Vaginal** | 1812 (68.0) | 1139 (62.1) | 673 (81.1) | **<0.001** |
| **Laparoscopic/Robotic** | 839 (31.5) | 682 (37.2) | 157 (18.9) | **<0.001** |
| **Abdominal** | 7 (0.3) | 6 (0.3) | 1 (0.1) | 0.45 |
| **Prolapse Surgery Type** | | | |  |
| **Sacrocolpopexy** | 702 (26.3) | 592 (32.3) | 110 (13.3) | **<0.001** |
| **USLS/SSLF** | 724 (27.2) | 411 (22.4) | 313 (37.7) | **<0.001** |
| **Colpectomy/**  **Colpocleisis** | 785 (29.5) | 480 (26.2) | 305 (36.8) | **<0.001** |
| **Transvaginal mesh** | 10 (0.4) | 4 (0.2) | 6 (0.7) | 0.08 |
| **Other Surgical Characteristics** | | | |  |
| **Concomitant hysterectomy** | 1214 (45.6) | 780 (42.5) | 434 (52.3) | **<0.001** |
| **Concomitant incontinence procedure** | 208 (7.8) | 129 (7.0) | 79 (9.5) | **0.027** |
| **General anesthesia** | 2157 (95.2) | 1506 (95.4) | 651 (94.8) | 0.487 |
| **Length of surgery, minutes** | 136.7 (69.3) | 135.0 (69.8) | 140.7 (68.0) | 0.071 |
| **Estimated blood loss, mL** | 50 (30-100) | 50 (25-100) | 75 (50-125) | **<0.001** |
| **Same Day Discharge** | 1613 (70.5) | 1104 (69.5) | 509 (72.7) | 0.12 |
| POUR: postoperative urinary retention, USLS: uterosacral ligament suspension; SSLF: sacrospinous ligament fixation, Transvaginal mesh: prolapse surgery  Data are presented as mean (standard deviation), median (interquartile range), or n (%).  Bolded values are significant (p<0.05).  Charlson Comorbidity Index (CCI): Predicts risk of death within 1 year of hospitalization for patients with specific comorbid conditions.  \*Other race: American Indian, Chinese, Filipino, Indian (Asian), Japanese, other Asian, other Pacific Islander, Vietnamese, American Indian and Alaska native, multiracial/two or more races | | | | |