**Table 1. Demographic and Perioperative Variables in those with and without Recurrent Prolapse**

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| **Variable** | **Recurrent Prolapse**  **n = 333** | **No Recurrent Prolapse**  **n = 998** | **P-value** |
| **Demographics** | | | |
| Age, years | 69.3 (6.0) | 69.4 (5.7) | 0.81 |
| Body Mass Index, kg/m2 | 27.7 (4.7) | 27.6 (5.0) | 0.84 |
| Parity | 2 (2-3) | 2 (2-3) | **0.02** |
| Race  White  Black  Other | 306 (95.0)  12 (3.7)  4 (1.2) | 943 (96.8)  22 (2.3)  9 (0.9) | 0.27 |
| Hispanic ethnicity | 3 (1.0) | 5 (0.5) | 0.42 |
| Current tobacco use | 8 (2.5) | 53 (5.5) | **0.03** |
| **Past Medical History** | | | |
| Hypertension | 155 (47.4) | 458 (47.6) | 0.95 |
| Diabetes mellitus | 44 (13.5) | 127 (13.2) | 0.91 |
| Chronic obstructive pulmonary disease | 7 (2.1) | 38 (3.9) | 0.16 |
| Charlson Comorbidity Index | 3 (2-4) | 3 (2-4) | 0.29 |
| **Past Surgical History** | | | |
| Prior hysterectomy | 112 (33.7) | 321 (32.2) | 0.60 |
| Prior prolapse surgery | 50 (15.0) | 115 (11.5) | 0.09 |
| Prior incontinence surgery | 27 (8.1) | 72 (7.2) | 0.60 |
| **Preoperative Pelvic Organ Prolapse Quantification (POP-Q) Examination** | | | |
| Preoperative POP-Q Stage  Stage 1  Stage 2  Stage 3  Stage 4 | 0 (0)  78 (23.5)  220 (66.3)  34 (10.2) | 4 (0.4)  281 (28.3)  615 (61.8)  95 (9.6) | 0.26 |
| Genital hiatus (GH), cm | 4.5 (4, 5.5) | 4 (3.5, 5) | **<0.01** |
| Perineal body (PB), cm | 3 (2.5, 4) | 3 (2.5, 4) | 0.27 |
| Total vaginal length (TVL), cm | 8.5 (8, 9.5) | 8.5 (8, 9) | 0.34 |
| Anterior wall (Aa), cm | 1.5 (0, 3) | 1.5 (0, 3) | 0.16 |
| Anterior wall (Ba), cm | 2.5 (1, 4) | 2 (0, 3) | **0.02** |
| Posterior wall (Ap), cm | -1 (-2, -0) | -1.5 (-2, 0) | 0.18 |
| Posterior wall (Bp), cm | -1 (-2, 2) | -1 (-2, 1) | 0.21 |
| Cervix or cuff (C), cm | -2.5 (-4.5, 3) | -2 (-4.5, 3) | 0.72 |
| Posterior fornix (D), cm | -5 (-6, -2) | -5 (-6, -3) | 0.62 |
| **Surgical Characteristics** | | | |
| Sacrospinous or uterosacral ligament suspension | 155 (46.6) | 464 (46.5) | 0.99 |
| Sacral colpopexy | 82 (24.6) | 246 (24.7) | 0.99 |
| Colpocleisis | 30 (9.0) | 90 (9.0) | 1.00 |
| Vaginal mesh prolapse repair | 2 (0.6) | 6 (0.6) | 1.00 |
| Laparoscopic/robotic approach | 123 (36.9) | 320 (32.1) | 0.10 |
| Open approach | 0 (0) | 3 (0.3) | 0.58 |
| Vaginal approach | 209 (62.8) | 669 (67.0) | 0.15 |
| Concomitant hysterectomy | 166 (49.9) | 554 (55.5) | 0.07 |
| Concomitant incontinence surgery | 28 (8.4) | 80 (8.0) | 0.82 |
| Length of surgery, minutes | 143.4 (70.1) | 140.6 (72.5) | 0.55 |
| General anesthesia | 283 (93.7) | 819 (95.9) | 0.12 |
| Same day discharge | 215 (70.5) | 607 (70.3) | 0.96 |
| Estimated blood loss, mL | 50 (30-100) | 50 (30-100) | 0.95 |
| **Postoperative Care** | | | |
| Length of follow-up, days | 404 (205-884) | 126 (48-385) | **<0.01** |
| Data is presented as n (%), mean (standard deviation (SD)), median(interquartile range (IQR)) as appropriate. Missing data noted for the following variables: Body mass index (n = 1,304), parity (n = 1,277), race (n = 1,296), Hispanic ethnicity (n = 1,272), tobacco use (n= 1,276), preoperative POP-Q stage (n =1,327), hypertension (n = 1,289), diabetes (n = 1,289), chronic obstructive pulmonary disease (n = 1,289), prior hysterectomy (n = 1,329), prior incontinence surgery (n = 1,329), length of surgery (n = 1,096), general anesthesia (n = 1,156), same day discharge (n = 1,168), estimated blood loss (n = 1,091), preoperative POP-Q values for GH (n = 1,267), PB (n = 1,265), TVL (n = 1,306), Aa (n = 1,312), Ba (n = 1,310), Ap (n = 1,310), Bp (n = 1,308), C (n = 1,310), D (n = 886), and length of follow-up (n = 1,096). | | | |