**Table 1. Sociodemographic and clinical characteristics by urine culture status**

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| --- | --- | --- | --- | --- | --- |
| **Characteristics** | **All**  (N=242) | **Urine culture not performed**  (N=121) | **Urine culture performed**  (N=121) | **%Urine culture performed** | **P-valuea** |
| **Mean age (at time of procedure) ± std** | 58.5 ± 13.2 | 59.0 ± 14.1 | 58.1 ± 12.3 | NA | 0.62 |
| **Mean body mass index ± std** | 29.0 ± 6.2 | 29.2 ± 5.88 | 28.7 ± 6.7 | NA | 0.49 |
| **Race/ethnicity** |  |  |  |  | 0.77 |
| White non-Hispanic | 160 (66.1) | 79 (65.3) | 81 (66.9) | 50.6 |  |
| Black non-Hispanic | 17 (7.0) | 7 (5.8) | 10 (8.3) | 58.8 |  |
| Hispanic | 55 (22.7) | 29 (24.0) | 26 (21.5) | 47.3 |  |
| Other | 10 (4.1) | 6 (5.0) | 4 (3.3) | 40.0 |  |
| **Smoking status** |  |  |  |  | 0.11 |
| Current/former smoker | 90 (37.2) | 39 (32.2) | 51 (42.1) | 56.7 |  |
| Never smoker | 152 (62.8) | 82 (67.8) | 70 (57.9) | 46.1 |  |
| **History of recurrent UTIs** |  |  |  |  | 0.06 |
| No | 227 (93.8) | 117 (96.7) | 110 (90.9) | 48.5 |  |
| Yes | 15 (6.2) | 4 (3.3) | 11 (9.1) | 73.3 |  |
| **Comorbidities - immunocompromised** |  |  |  |  | **0.02** |
| No | 193 (79.8) | 104 (86) | 89 (73.6) | 46.1 |  |
| Yes | 49 (20.2) | 17 (14) | 32 (26.4) | 65.3 |  |
| **Diabetes mellitus** |  |  |  |  | 0.19 |
| No | 209 (86.4) | 108 (89.3) | 101 (83.5) | 48.3 |  |
| Yes | 33 (13.6) | 13 (10.7) | 20 (16.5) | 60.6 |  |
| **Steroid use** |  |  |  |  | **0.04** |
| No | 238 (98.3) | 121 (100) | 117 (96.7) | 49.2 |  |
| Yes | 4 (1.7) | 0 | 4 (3.3) | 100 |  |
| **Chemotherapy** |  |  |  |  | 0.99 |
| No | 238 (98.3) | 119 (98.3) | 119 (98.3) | 50.0 |  |
| Yes | 4 (1.7) | 2 (1.7) | 2 (1.7) | 50.0 |  |
| **Current smoker within 1 year** |  |  |  |  | 0.06 |
| No | 227 (93.8) | 117 (96.7) | 110 (90.9) | 48.5 |  |
| Yes | 15 (6.2) | 4 (3.3) | 11 (9.1) | 73.3 |  |
| **Vaginal estrogen use** |  |  |  |  | **<0.001** |
| No | 144 (59.5) | 87 (71.9) | 57 (47.1) | 39.6 |  |
| Yes | 98 (40.5) | 34 (28.1) | 64 (52.9) | 65.3 |  |
| **Menopausal status** |  |  |  |  | 0.89 |
| Premenopausal | 77 (31.8) | 38 (31.4) | 39 (32.2) | 50.6 |  |
| Postmenopausal | 165 (68.2) | 83 (68.6) | 82 (67.8) | 49.7 |  |
| **History of prior hysterectomy** |  |  |  |  | 0.35 |
| No | 155 (64.0) | 81 (66.9) | 74 (61.2) | 47.7 |  |
| Yes | 87 (36.0) | 40 (33.1) | 47 (38.8) | 54.0 |  |
| **Concomitant hysterectomy** |  |  |  |  | 0.19b |
| NA | 87 (36.0) | 40 (33.1) | 47 (38.8) | 54.0 |  |
| No | 65 (26.9) | 38 (31.4) | 27 (22.3) | 41.5 |  |
| Yes | 90 (37.2) | 43 (35.5) | 47 (38.8) | 52.2 |  |
| **History of prior anti-incontinence procedure** |  |  |  |  | 0.72 |
| No | 204 (84.3) | 103 (85.1) | 101 (83.5) | 49.5 |  |
| Yes | 38 (15.7) | 18 (14.9) | 20 (16.5) | 52.6 |  |
| **History of prior pelvic organ prolapse procedure** |  |  |  |  | 0.38 |
| No | 203 (83.9) | 99 (81.8) | 104 (86.0) | 51.2 |  |
| Yes | 39 (16.1) | 22 (18.2) | 17 (14.0) | 43.6 |  |
| **Prolapse compartment Anterior** |  |  |  |  | 0.68 |
| No | 75 (31.0) | 36 (29.8) | 39 (32.2) | 52.0 |  |
| Yes | 167 (69.0) | 85 (70.2) | 82 (67.8) | 49.1 |  |
| **Prolapse compartment Posterior** |  |  |  |  | 0.10 |
| No | 82 (33.9) | 47 (38.8) | 35 (28.9) | 42.7 |  |
| Yes | 160 (66.1) | 74 (61.2) | 86 (71.1) | 53.8 |  |
| **Prolapse compartment Apical** |  |  |  |  | 0.08 |
| No | 91 (37.6) | 39 (32.2) | 52 (43.0) | 57.1 |  |
| Yes | 151 (62.4) | 82 (67.8) | 69 (57.0) | 45.7 |  |
| **Preoperative prolapse?** |  |  |  |  | 0.99 |
| No | 50 (20.7) | 25 (20.7) | 25 (20.7) | 50.0 |  |
| Yes | 192 (79.3) | 96 (79.3) | 96 (79.3) | 50.0 |  |
| **Prolapse stage** |  |  |  |  | **0.04**b |
| NA | 50 (20.7) | 25 (20.7) | 25 (20.7) | 50.0 |  |
| 1 | 9 (3.7) | 8 (6.6) | 1 (0.8) | 11.1 |  |
| 2 | 56 (23.1) | 24 (19.8) | 32 (26.4) | 57.1 |  |
| 3 | 112 (46.3) | 54 (44.6) | 58 (47.9) | 51.8 |  |
| 4 | 15 (6.2) | 10 (8.3) | 5 (4.1) | 33.3 |  |
| **Prolapse surgery?** |  |  |  |  | 0.53b |
| NA | 50 (20.7) | 25 (20.7) | 25 (20.7) | 50.0 |  |
| No | 27 (11.2) | 15 (12.4) | 12 (9.9) | 44.4 |  |
| Yes | 165 (68.2) | 81 (66.9) | 84 (69.4) | 50.9 |  |
| **Prolapse surgery?** |  |  |  |  | 0.68 |
| No | 77 (31.8) | 40 (33.1) | 37 (30.6) | 48.1 |  |
| Yes | 165 (68.2) | 81 (66.9) | 84 (69.4) | 50.9 |  |
| **Surgical procedure: Native tissue prolapse repair** |  |  |  |  | **0.04** |
| No | 116 (47.9) | 50 (41.3) | 66 (54.5) | 56.9 |  |
| Yes | 126 (52.1) | 71 (58.7) | 55 (45.5) | 43.7 |  |
| **Surgical procedure: Mesh augmented prolapse repair** |  |  |  |  | **<0.001** |
| No | 198 (81.8) | 109 (90.1) | 89 (73.6) | 44.9 |  |
| Yes | 44 (18.2) | 12 (9.9) | 32 (26.4) | 72.7 |  |
| **Surgical approach: Vaginal** |  |  |  |  | **0.001** |
| No | 127 (52.5) | 51 (42.1) | 76 (62.8) | 59.8 |  |
| Yes | 115 (47.5) | 70 (57.9) | 45 (37.2) | 39.1 |  |
| **Surgical approach: Laparoscopic/robotic** |  |  |  |  | **<0.001** |
| No | 179 (74.0) | 109 (90.1) | 70 (57.9) | 39.1 |  |
| Yes | 63 (26.0) | 12 (9.9) | 51 (42.1) | 81.0 |  |
| **Surgical approach: Abdominal** |  |  |  |  | 0.99 |
| No | 241 (99.6) | 120 (99.2) | 121 (100) | 50.2 |  |
| Yes | 1 (0.4) | 1 (0.8) | 0 | 0 |  |
| **Incontinence Surgery?** |  |  |  |  | 0.16 |
| No | 115 (47.5) | 63 (52.1) | 52 (43.0) | 45.2 |  |
| Yes | 127 (52.5) | 58 (47.9) | 69 (57.0) | 54.3 |  |
| **Incontinence surgery** |  |  |  |  | **<0.001**b |
| None | 115 (47.5) | 63 (52.1) | 52 (43.0) | 45.2 |  |
| Mid urethral sling | 104 (43.0) | 48 (39.7) | 56 (46.3) | 53.8 |  |
| Urethral bulking | 7 (2.9) | 7 (5.8) | 0 | 0 |  |
| Pubovaginal sling | 1 (0.4) | 1 (0.8) | 0 | 0 |  |
| Intradetrousar botox | 14 (5.8) | 1 (0.8) | 13 (10.7) | 92.9 |  |
| Kelly plication | 1 (0.4) | 1 (0.8) | 0 | 0 |  |
| **Incontinence Botox surgery** |  |  |  |  | **0.001** |
| No | 228 (94.2) | 120 (99.2) | 108 (89.3) | 47.4 |  |
| Yes | 14 (5.8) | 1 (0.8) | 13 (10.7) | 92.9 |  |
| **Abnormal findings on cystoscopy** |  |  |  |  | 0.41 |
| No | 197 (81.4) | 101 (83.5) | 96 (79.3) | 48.7 |  |
| Yes | 45 (18.6) | 20 (16.5) | 25 (20.7) | 55.6 |  |
| **Voiding trial outcomes** |  |  |  |  | **<0.001** |
| Passed | 188 (77.7) | 75 (62.0) | 113 (93.4) | 60.1 |  |
| Failed | 54 (22.3) | 46 (38.0) | 8 (6.6) | 14.8 |  |
| **Went home with foley catheter?** |  |  |  |  | 0.48b |
| NA | 188 (77.7) | 75 (62.0) | 113 (93.4) | 60.1 |  |
| No | 4 (1.7) | 3 (2.5) | 1 (0.8) | 25.0 |  |
| Yes | 50 (20.7) | 43 (35.5) | 7 (5.8) | 14.0 |  |
| **Went home with foley catheter?** |  |  |  |  | **<0.001** |
| No | 192 (79.3) | 78 (64.5) | 114 (94.2) | 59.4 |  |
| Yes | 50 (20.7) | 43 (35.5) | 7 (5.8) | 14.0 |  |
| **Median postoperative day foley catheter removed (min-max)** | 4 (1-13) | 4 (1-13) | 4 (2-111) | NA | 0.84b |
| **Postoperative complications within 6 weeks** |  |  |  |  | 0.15 |
| No | 206 (85.1) | 107 (88.4) | 99 (81.8) | 48.1 |  |
| Yes | 36 (14.9) | 14 (11.6) | 22 (18.2) | 61.1 |  |
| **Type of postoperative complications** |  |  |  |  | 0.99b |
| None | 206 (85.1) | 107 (88.4) | 99 (81.8) | 48.1 |  |
| UTI | 35 (14.5) | 14 (11.6) | 21 (17.4) | 60.0 |  |
| Pyelonephritis | 1 (0.4) | 0 | 1 (0.8) | 100 |  |
| Data are presented as means (standard deviation) or n (%) unless otherwise specified. Counts may not add up to total because of missing data. Percentages may not add up to 100 because of missing data or rounding.  aP-value from independent samples t-test/Wilcoxon-Mann-Whitney test (continuous variables) or chi-square/Fisher’s exact test (categorical variables). P-values <0.05 considered statistically significant (bold).  bStatistical test excludes NA/None | | | | | |