DATA 299P Assignment

Sample Table 1: **Patient demographics**

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| --- | --- | --- | --- | --- |
| Patient demographics | ALL | COHORT A | COHORT B | p-value  (Categorical chi-square/Fisher’s; if continuous t-test or Kruskal Wallis |
|  | CPT 57291 OR 57292 OR 55970 OR 57335 | CPT 57291 OR 57292 OR 55970 OR 57335  **WITH** 49329  (“Vaginoplasty with peritoneal pull-through” | CPT 57291 OR 57292 OR 55970 OR 57335  **without** CPT 49329  (“Vaginoplasty alone”) | NOTE:  All pts must have diagnosis of gender dysphoria  PODIAG10 F64.0, F64.1, F64.2, F64.3, F64.4, F64.5, F64.6, F64.7, F64.8, 64.9, and/or Z87.890 |
| Count: | 413 Patients | 0 Patients | 413 Patients |  |
| Race (RACE\_NEW): | Asian: 15/413 (3.6%)  Black or African American: 31/413 (7.5%)  Race combinations with low frequency: 1/413 (0.2%)  Some Other Race: 12/413 (2.9%)  Unknown/Not Reported: 19/413 (4.6%)  White: 334/413 (80.9%)  White, American Indian or Alaska Native: 1/413 (0.2%) |  | Asian: 15/413 (3.6%)  Black or African American: 31/413 (7.5%)  Race combinations with low frequency: 1/413 (0.2%)  Some Other Race: 12/413 (2.9%)  Unknown/Not Reported: 19/413 (4.6%)  White: 334/413 (80.9%)  White, American Indian or Alaska Native: 1/413 (0.2%) |  |
| Gender  (SEX): | Female: 317/413 (76.8%)  Male: 88/413 (21.3%)  Non-binary: 8/413 (1.9%) |  | Female: 317/413 (76.8%)  Male: 88/413 (21.3%)  Non-binary: 8/413 (1.9%) |  |
| Ethnicity (Hispanic)  (ETHNICITY\_HISPANIC): | No: 374/413 (90.6%)  Unkown: 4/413 (1.0%)  Yes: 35/413 (8.5%) |  | No: 374/413 (90.6%)  Unkown: 4/413 (1.0%)  Yes: 35/413 (8.5%) |  |
| Inpatient/outpatient  (INOUT): | Inpatient: 382/413 (92.5%)  Outpatient: 31/413 (7.5%) |  | Inpatient: 382/413 (92.5%)  Outpatient: 31/413 (7.5%) |  |
| Age  (AGE\_GROUP): | <20-Year-Old: 13/413 (3.1%)  20–30-Year-Old: 140/413 (33.9%)  30–40-Year-Old: 123/413 (29.8%)  40–50-Year-Old:  71/413 (17.2%)  50–60-Year-Old:  37/413 (9.0%)  60–70-Year-Old:  26/413 (6.3%)  70–80-Year-Old:  3/413 (0.7%)  (Mean: 36.2 years old  Std: 12.5  Median: 33 years old  Min: 18 years old  Max: 75 years old) |  | <20-Year-Old: 13/413 (3.1%)  20–30-Year-Old: 140/413 (33.9%)  30–40-Year-Old:  123/413 (29.8%)  40–50-Year-Old:  71/413 (17.2%)  50–60-Year-Old:  37/413 (9.0%)  60–70-Year-Old:  26/413 (6.3%)  70–80-Year-Old:  3/413 (0.7%)  (Mean: 36.2 years old  Std: 12.5  Median: 33 years old  Min: 18 years old  Max: 75 years old) |  |
| Year of Operation (OperYR): | 2019: 91/413 (22.0%)  2020: 63/413 (15.3%)  2021: 125/413 (30.3%)  2022: 134/413 (32.4%) |  | 2019: 91/413 (22.0%)  2020: 63/413 (15.3%)  2021: 125/413 (30.3%)  2022: 134/413 (32.4%) |  |
| Principal Anesthesia technique (ANESTHES): | General: 413/413 (100%) |  | General: 413/413 (100%) |  |
| Surgical subspecialty (SURGSPEC): | General Surgery: 2/413 (0.5%)  Plastics: 329/413 (79.7%)  Urology: 82/413 (19.9%) |  | General Surgery: 2/413 (0.5%)  Plastics: 329/413 (79.7%)  Urology: 82/413 (19.9%) |  |
| Height in inches  (HEIGHT): | <60 inches: 5/413 (1.2%)  60-65 inches: 30/413 (7.3%)  65-70 inches: 206/413 (50.0%)  70-75 inches: 159/413 (38.5%)  >75 inches: 11/413 (2.7%)  No Response: 2/413 (0.5%)  (Mean: 68.6 inches  Std: 3.1 inches  Median: 69 inches  Min: 57 inches  Max: 81 inches) |  | <60 inches: 5/413 (1.2%)  60-65 inches: 30/413 (7.3%)  65-70 inches: 206/413 (50.0%)  70-75 inches: 159/413 (38.5%)  >75 inches: 11/413 (2.7%)  No Response: 2/413 (0.5%)  (Mean: 68.6 inches  Std: 3.1 inches  Median: 69 inches  Min: 57 inches  Max: 81 inches) |  |
| Weight in lbs  (WEIGHT): | <150 lbs: 99/413 (24.0%)  150-170 lbs: 94/413 (22.8%)  170-190 lbs: 90/413 (21.8%)  190-210 lbs: 60/413 (14.5%)  >210 lbs: 69/413 (16.7%)  No Response: 1/413 (0.2%)  (Mean: 176.3 lbs  Std: 38.2  Median: 172.0 lbs  Min: 93 lbs  Max: 308 lbs) |  | <150 lbs: 99/413 (24.0%)  150-170 lbs: 94/413 (22.8%)  170-190 lbs: 90/413 (21.8%)  190-210 lbs: 60/413 (14.5%)  >210 lbs: 69/413 (16.7%)  No Response: 1/413 (0.2%)  (Mean: 176.3 lbs  Std: 38.2  Median: 172.0 lbs  Min: 93 lbs  Max: 308 lbs) |  |
| BMI: | [0.0, 18.5) (Underweight): 10/413 (2.4%)  [18.5, 24.9) (Normal weight): 171/413 (41.4%)  [24.9, 29.9) (Overweight): 144/413 (34.9%)  [29.9, inf) (Obesity): 86/413 (20.8%)  No Response: 2/413 (0.5%)  (Mean: 26.3  Std: 5.3  Median: 25.68  Min: 15.6  Max: 46.2) |  | [0.0, 18.5) (Underweight): 10/413 (2.4%)  [18.5, 24.9) (Normal weight): 171/413 (41.4%)  [24.9, 29.9) (Overweight): 144/413 (34.9%)  [29.9, inf) (Obesity): 86/413 (20.8%)  No Response: 2/413 (0.5%)  (Mean: 26.3  Std: 5.3  Median: 25.68  Min: 15.6  Max: 46.2) |  |
| ASA Classification  (ASACLAS): | 1-No Disturb: 88/413 (21.3%)  2-Mild Disturb: 280/413 (67.8%)  3-Severe Disturb: 45/413 (10.9%) |  | 1-No Disturb: 88/413 (21.3%)  2-Mild Disturb: 280/413 (67.8%)  3-Severe Disturb: 45/413 (10.9%) |  |
| Estimated probability of mortality  (MORTPROB): | Range From 0.000016% to 0.005685%  0-0.0012%: 388/413 (93.9%)  0.0012-0.0024%: 17/413 (4.1%)  0.0024-0.0036%: 4/413 (1.0%)  0.0048-0.006%: 4/413 (1.0%)  (Mean: 0.00039  Std: 0.00064  Median: 0.0002  Min: 0.000016 Max: 0.005685) |  | Range From 0.000016% to 0.005685%  0-0.0012%: 388/413 (93.9%)  0.0012-0.0024%: 17/413 (4.1%)  0.0024-0.0036%: 4/413 (1.0%)  0.0048-0.006%: 4/413 (1.0%)  (Mean: 0.00039  Std: 0.00064  Median: 0.0002  Min: 0.000016 Max: 0.005685) |  |
| Current smoker within one year (SMOKE): | No: 391/413 (94.7%)  Yes: 22/413 (5.3%) |  | No: 391/413 (94.7%)  Yes: 22/413 (5.3%) |  |

Sample Table 2: **MAIN OUTCOME:** Composite of Unplanned readmission, Unplanned surgery and Major complication

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| --- | --- | --- | --- | --- |
| Primary Outcome | ALL | COHORT A | COHORT B | p-value |
| Composite main outcome (unplanned readmission and/or unplanned surgery and/or major complication) | CPT 57291 OR 57292 OR 55970 OR 57335 | CPT 57291 OR 57292 OR 55970 OR 57335  **WITH** 49329  (“Vaginoplasty with peritoneal pull-through” | CPT 57291 OR 57292 OR 55970 OR 57335  **without** CPT 49329  (“Vaginoplasty alone”) | NOTE:  All pts must have diagnosis of gender dysphoria  PODIAG10 F64.0, F64.1, F64.2, F64.3, F64.4, F64.5, F64.6, F64.7, F64.8, 64.9, and/or Z87.890 |
| Count: | 413 Patients | 0 Patients | 413 Patients |  |
| **Unplanned readmission**  (UNPLANNEDREADMISSION1): | Yes: 14/413 (3.4%)  No response: 399 (96.6%) |  | Yes: 14/413 (3.4%)  No response: 399 (96.6%) |  |
| Days from index surgery to readmission  (READMPODAYS1): | 1 day: 1/14 (7.1%)  6 days: 1/14 (7.1%)  8 days: 1/14 (7.1%)  10 days: 2/14 (14.3%)  11-18 days: 7/14 (50.0%)  20 days: 1/14 (7.1%)  27 days: 1/14 (7.1%)  (Mean: 13.1 days  Std: 6.4 days  Median: 12.5 days  Min: 1 day  Max: 27 days) |  | 1 day: 1/14 (7.1%)  6 days: 1/14 (7.1%)  8 days: 1/14 (7.1%)  10 days: 2/14 (14.3%)  11-18 days: 7/14 (50.0%)  20 days: 1/14 (7.1%)  27 days: 1/14 (7.1%)  (Mean: 13.1 days  Std: 6.4 days  Median: 12.5 days  Min: 1 day  Max: 27 days) |  |
| Readmission related suspected reason 1  (READMSUSPREASON1): | C. diff: 1/14 (7.1%)  Other (list ICD 10 code): 6/14 (42.9%)  Sepsis: 1/14 (7.1%)  Superficial Incisional SSI: 1/14 (7.1%)  Urinary Tract Infection: 1/14 (7.1%)  Wound Disruption: 4/14 (28.6%) |  | C. diff: 1/14 (7.1%)  Other (list ICD 10 code): 6/14 (42.9%)  Sepsis: 1/14 (7.1%)  Superficial Incisional SSI: 1/14 (7.1%)  Urinary Tract Infection: 1/14 (7.1%)  Wound Disruption: 4/14 (28.6%) |  |
| Readmission related ICD-9 code 1  (READMRELICD91): | 0  No response: 14 |  | 0  No response: 14 |  |
| Readmission related ICD-10 code 1  (READMRELICD101): | G89.18: 1/14 (7.1%)  K12.0: 1/14 (7.1%)  L76.32: 1/14 (7.1%)  N82.4: 1/14 (7.1%)  N99.820: 1/14 (7.1%)  T81.32XA: 1/14 (7.1%)  No response: 8/14 |  | G89.18: 1/14 (7.1%)  K12.0: 1/14 (7.1%)  L76.32: 1/14 (7.1%)  N82.4: 1/14 (7.1%)  N99.820: 1/14 (7.1%)  T81.32XA: 1/14 (7.1%)  No response: 8/14 |  |
| Readmission unrelated suspected reason 1  (READMUNRELSUSP1): | 0 |  | 0 |  |
| Readmission unrelated ICD-9 code 1  (READMUNRELICD91): | 0 |  | 0 |  |
| Readmission unrelated ICD-10 code 1  (READMUNRELICD101): | 0 |  | 0 |  |
| **Unplanned surgery (Reoperation**  **)**  (REOPERATION1): | No: 390/413 (94.4%)  Yes: 23/413 (5.6%) |  | No: 390/413 (94.4%)  Yes: 23/413 (5.6%) |  |
| CPT for reoperation 1  (REOPERATION1): | 11042: 1/23 (4.3%)  12021: 1/23 (4.3%)  13160: 1/23 (4.3%)  14040: 1/23 (4.3%)  15120: 1/23 (4.3%)  21501: 2/23 (8.7%)  44310: 1/23 (4.3%)  52005: 1/23 (4.3%)  57023: 3/23 (13.0%)  57160: 1/23 (4.3%)  57300: 1/23 (4.3%)  57335: 3/23 (13.0%)  57410: 5/23 (21.7%)  No Response: 1/23 (4.3%) |  | 11042: 1/23 (4.3%)  12021: 1/23 (4.3%)  13160: 1/23 (4.3%)  14040: 1/23 (4.3%)  15120: 1/23 (4.3%)  21501: 2/23 (8.7%)  44310: 1/23 (4.3%)  52005: 1/23 (4.3%)  57023: 3/23 (13.0%)  57160: 1/23 (4.3%)  57300: 1/23 (4.3%)  57335: 3/23 (13.0%)  57410: 5/23 (21.7%)  No Response: 1/23 (4.3%) |  |
| Days for index to reoperation  (RETORPODAYS): | 1 day: 2/23 (8.7%)  2 days: 1/23 (4.3%)  3 days: 1/23 (4.3%)  4 days: 2/23 (8.7%)  5 days: 3/23 (13.0%)  6 days: 1/23 (4.3%)  11 days: 1/23 (4.3%)  14 days: 2/23 (8.7%)  15 days: 3/23 (13.0%)  16 days: 1/23 (4.3%)  17 days: 3/23 (13.0%)  21 days: 1/23 (4.3%)  23 days: 1/23 (4.3%)  28 days: 1/23 (4.3%)  (Mean: 11.3 days  Std: 7.7 days  Median: 14 days  Min: 1 day  Max: 28 days) |  | 1 day: 2/23 (8.7%)  2 days: 1/23 (4.3%)  3 days: 1/23 (4.3%)  4 days: 2/23 (8.7%)  5 days: 3/23 (13.0%)  6 days: 1/23 (4.3%)  11 days: 1/23 (4.3%)  14 days: 2/23 (8.7%)  15 days: 3/23 (13.0%)  16 days: 1/23 (4.3%)  17 days: 3/23 (13.0%)  21 days: 1/23 (4.3%)  23 days: 1/23 (4.3%)  28 days: 1/23 (4.3%)  (Mean: 11.3 days  Std: 7.7 days  Median: 14 days  Min: 1 day  Max: 28 days) |  |
| Indication for reoperation  (REOPOR1ICD101): | F64.0: 2/23 (8.7%)  L76.3: 1/23 (4.3%)  L76.32: 1/23 (4.3%)  N13.8: 1/23 (4.3%)  N82.3: 1/23 (4.3%)  N82.4: 1/23 (4.3%)  N94.89: 1/23 (4.3%)  N99.820: 1/23 (4.3%)  N99.840: 1/23 (4.3%)  R58: 1/23 (4.3%)  S37.1: 1/23 (4.3%)  T81.3: 1/23 (4.3%)  T81.30XA: 2/23 (8.7%)  T81.31XA: 2/23 (8.7%)  T81.32XA: 2/23 (8.7%)  T81.89XA: 1/23 (4.3%)  T86.821: 1/23 (4.3%)  Z04.8: 1/23 (4.3%)  No response: 1/23 (4.3%) |  | F64.0: 2/23 (8.7%)  L76.3: 1/23 (4.3%)  L76.32: 1/23 (4.3%)  N13.8: 1/23 (4.3%)  N82.3: 1/23 (4.3%)  N82.4: 1/23 (4.3%)  N94.89: 1/23 (4.3%)  N99.820: 1/23 (4.3%)  N99.840: 1/23 (4.3%)  R58: 1/23 (4.3%)  S37.1: 1/23 (4.3%)  T81.3: 1/23 (4.3%)  T81.30XA: 2/23 (8.7%)  T81.31XA: 2/23 (8.7%)  T81.32XA: 2/23 (8.7%)  T81.89XA: 1/23 (4.3%)  T86.821: 1/23 (4.3%)  Z04.8: 1/23 (4.3%)  No response: 1/23 (4.3%) |  |
| Indication for reoperation  (REOPORICD91): | 0 |  | 0 |  |
| **Unplanned surgery (Reoperation**  **)**  (REOPERATION2): | Yes: 4 |  | Yes: 4 |  |
| CPT for reoperation 2  (REOPOR2CPT1): | 11042: 1/4 (25%)  51565: 1/4 (25%)  57410: 1/4 (25%)  57415: 1/4 (25%) |  | 11042: 1/4 (25%)  51565: 1/4 (25%)  57410: 1/4 (25%)  57415: 1/4 (25%) |  |
| Days for index to reoperation 2  (RETOR2PODAYS): | 5 days: 1/4 (25%)  7 days: 1/4 (25%)  22 days: 1/4 (25%)  24 days: 1/4 (25%)  (Mean: 14.5 days  Std: 9.9 days  Median: 14.5 days  Min: 5 days  Max: 24 days) |  | 5 days: 1/4 (25%)  7 days: 1/4 (25%)  22 days: 1/4 (25%)  24 days: 1/4 (25%)  (Mean: 14.5 days  Std: 9.9 days  Median: 14.5 days  Min: 5 days  Max: 24 days) |  |
| Indication for reoperation 2  (REOPOR2ICD101): | F64.0: 1/4 (25%)  S37.10XA: 1/4 (25%)  T81.31XA: 2/4 (50%) |  | F64.0: 1/4 (25%)  S37.10XA: 1/4 (25%)  T81.31XA: 2/4 (50%) |  |
| Indication for reoperation 2  (REOPOR2ICD91): | 0 |  | 0 |  |
| Unplanned surgery (Reoperation  )  (REOPERATION3): | Yes: 1 |  | Yes: 1 |  |
| **Major complications:** | CPT 57291 OR 57292 OR 55970 OR 57335 | CPT 57291 OR 57292 OR 55970 OR 57335  **WITH** 49329  (“Vaginoplasty with peritoneal pull-through” | CPT 57291 OR 57292 OR 55970 OR 57335  **without** CPT 49329  (“Vaginoplasty alone”) | NOTE:  All pts must have diagnosis of gender dysphoria  PODIAG10 F64.0, F64.1, F64.2, F64.3, F64.4, F64.5, F64.6, F64.7, F64.8, 64.9, and/or Z87.890 |
| pulmonary embolism  (PULEMBOL): | No Complication: 412/413 (99.8%)  Pulmonary Embolism: 1/413 (0.2%) |  | No Complication: 412/413 (99.8%)  Pulmonary Embolism: 1/413 (0.2%) |  |
| Ventilation support > 48 hours  (FAILWEAN): | No Complication: 413/413 (100%) |  | No Complication: 413/413 (100%) |  |
| Re-intubation  (REINTUB): | No Complication: 412/413 (99.8%)  Unplanned Intubation: 1/413 (0.2%) |  | No Complication: 412/413 (99.8%)  Unplanned Intubation: 1/413 (0.2%) |  |
| Acute renal failure  (OPRENAFL): | No Complication: 413/413 (100%) |  | No Complication: 413/413 (100%) |  |
| Cardiac arrest requiring  (CDARREST): | No Complication: 413/413 (100%) |  | No Complication: 413/413 (100%) |  |
| Myocardial infarction  (CDMI): | No Complication: 413/413 (100%) |  | No Complication: 413/413 (100%) |  |
| Stroke/cerebral vascular accident with neurological deficit  (CNSCVA): | No Complication: 413/413 (100%) |  | No Complication: 413/413 (100%) |  |
| Deep incisional or organ space surgical site infection  (WNDINFD) | Deep Incisional SSI: 3/413 (0.7%)  No Complication: 410/413 (99.3%) |  | Deep Incisional SSI: 3/413 (0.7%)  No Complication: 410/413 (99.3%) |  |
| Septic shock  (OTHSESHOCK): | No Complication: 412/413 (99.8%)  Septic Shock: 1/413 (0.2%) |  | No Complication: 412/413 (99.8%)  Septic Shock: 1/413 (0.2%) |  |
| **Minor complications:** | CPT 57291 OR 57292 OR 55970 OR 57335 | CPT 57291 OR 57292 OR 55970 OR 57335  **WITH** 49329  (“Vaginoplasty with peritoneal pull-through” | CPT 57291 OR 57292 OR 55970 OR 57335  **without** CPT 49329  (“Vaginoplasty alone”) | NOTE:  All pts must have diagnosis of gender dysphoria  PODIAG10 F64.0, F64.1, F64.2, F64.3, F64.4, F64.5, F64.6, F64.7, F64.8, 64.9, and/or Z87.890 |
| Superficial surgical site infection  (SUPINFEC): | No Complication: 406/413 (98.3%)  Superficial Incisional SSI: 7/413(1.7%) |  | No Complication: 406/413 (98.3%)  Superficial Incisional SSI: 7/413(1.7%) |  |
| Wound dehiscence  (DEHIS): | No Complication: 400/413 (96.9%)  Wound Disruption: 13/413 (3.1%) |  | No Complication: 400/413 (96.9%)  Wound Disruption: 13/413 (3.1%) |  |
| Pneumonia  (OUPNEUMO): | No Complication: 413/413 (100%) |  | No Complication: 413/413 (100%) |  |
| Urinary tract infection  (URNINFEC): | No Complication: 403/413 (97.6%)  Urinary Tract Infection: 10/413 (2.4%) |  | No Complication: 403/413 (97.6%)  Urinary Tract Infection: 10/413 (2.4%) |  |
| Deep venous thrombosis/thrombophlebitis  (OTHDVT): | No Complication: 413/413 (100%) |  | No Complication: 413/413 (100%) |  |
| Blood transfusions  (OTHBLEED): | Blood Transfusion: 2/413 (0.5%)  No Complication: 397/413 (96.1%)  Transfusions/Intraop/Postop: 14/413 (3.4%) |  | Blood Transfusion: 2/413 (0.5%)  No Complication: 397/413 (96.1%)  Transfusions/Intraop/Postop: 14/413 (3.4%) |  |
| Post op total transfusion amount  (BLEED\_UNITS\_TOT): | 1.0: 7 patients  2.0: 6 patients  (Mean: 1.46  Std: 0.52  Median: 1  Min: 1  Max: 2) |  | 1.0: 7 patients  2.0: 6 patients  (Mean: 1.46  Std: 0.52  Median: 1  Min: 1  Max: 2) |  |
| Progressive renal insufficiency  (RENAINSF): | No Complication: 287/413 (69.5%)  Postop Renal Insufficiency: 1/413 (0.2%)  No Response: 125/413 (30.3%) |  | No Complication: 287/413 (69.5%)  Postop Renal Insufficiency: 1/413 (0.2%)  No Response: 125/413 (30.3%) |  |
| Death  (YRDEATH): | Patient alive at 30 days: 413  0 death |  | Patient alive at 30 days: 413  0 death |  |

Sample table 3: **Major Medical Comorbidity (composite variable) with binary outcome (Y/N)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Major Medical Comorbidity (composite variable) with binary outcome (Y/N) | ALL | COHORT A | COHORT B | p-value |
|  | CPT 57291 OR 57292 OR 55970 OR 57335 | CPT 57291 OR 57292 OR 55970 OR 57335  **WITH** 49329  (“Vaginoplasty with peritoneal pull-through” | CPT 57291 OR 57292 OR 55970 OR 57335  **without** CPT 49329  (“Vaginoplasty alone”) | NOTE:  All pts must have diagnosis of gender dysphoria  PODIAG10 F64.0, F64.1, F64.2, F64.3, F64.4, F64.5, F64.6, F64.7, F64.8, 64.9, and/or Z87.890 |
| Heart failure (CHF) in 30 days before surgery  (HXCHF): | No: 413/413 (100%) |  | No: 413/413 (100%) |  |
| ASCITES: | No: 413/413 (100%) |  | No: 413/413 (100%) |  |
| History of severe COPD  (HXCOPD): | No: 413/413 (100%) |  | No: 413/413 (100%) |  |
| Ventilator dependent  (VENTILAT): | No: 413/413 (100%) |  | No: 413/413 (100%) |  |
| Preop Acute Kidney Injury  (RENAFAIL): | No: 288/413 (69.7%)  No Response: 125/413(30.3%) |  | No: 288/413 (69.7%)  No Response: 125/413(30.3%) |  |
| Preop Dialysis  (DIALYSIS): | No: 413/413 (100%) |  | No: 413/413 (100%) |  |
| Immunosuppressive Therapy  (STEROID): | No: 403/413 (97.6%)  Yes: 10/413 (2.4%) |  | No: 403/413 (97.6%)  Yes: 10/413 (2.4%) |  |
| Bleeding disorders  (BLEEDDIS): | No: 411/413 (99.5%)  Yes: 2/413 (0.5%) |  | No: 411/413 (99.5%)  Yes: 2/413 (0.5%) |  |
| Malnourishment  (WTLOSS): | No: 154/413 (37.3%)  No Response: (62.7%) |  | No: 154/413 (37.3%)  No Response: (62.7%) |  |
| Hypertension requiring medication  (HYPERMED): | No: 377/413 (91.3%)  Yes: 36/413 (8.7%) |  | No: 377/413 (91.3%)  Yes: 36/413 (8.7%) |  |
| Diabetes Mellitus Requiring Therapy with Non-Insulin Agents or Insulin  (DIABETES): | INSULIN: 10/413 (2.4%)  NO: 392/413 (94.9%)  NON-INSULIN: 11/413 (2.7%) |  | INSULIN: 10/413 (2.4%)  NO: 392/413 (94.9%)  NON-INSULIN: 11/413 (2.7%) |  |
| Disseminated cancer  (DISCANCR): | No: 413/413 (100%) |  | No: 413/413 (100%) |  |

Sample table 4: **Operative variables**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Operative variables | ALL | COHORT A | COHORT B | p-value |
|  | CPT 57291 OR 57292 OR 55970 OR 57335 | CPT 57291 OR 57292 OR 55970 OR 57335  **WITH** 49329  (“Vaginoplasty with peritoneal pull-through” | CPT 57291 OR 57292 OR 55970 OR 57335  **without** CPT 49329  (“Vaginoplasty alone”) | NOTE:  All pts must have diagnosis of gender dysphoria  PODIAG10 F64.0, F64.1, F64.2, F64.3, F64.4, F64.5, F64.6, F64.7, F64.8, 64.9, and/or Z87.890 |
| Year of operation  (PUFYEAR): | 2019: 91/413 (22%)  2020: 63/413 (15.3%)  2021: 125/413 (30.3%)  2022: 134/413 (32.4%) |  | 2019: 91/413 (22%)  2020: 63/413 (15.3%)  2021: 125/413 (30.3%)  2022: 134/413 (32.4%) |  |
| Total operation time  (OPTIME): | Mean: 273.6 minutes  Std: 131.1 minutes  Median: 252 minutes  Min: 28 minutes  Max: 689 minutes |  | Mean: 273.6 minutes  Std: 131.1 minutes  Median: 252 minutes  Min: 28 minutes  Max: 689 minutes |  |
| Hospital discharge Year  (HDISDT): | 2019: 90/413 (21.8%)  2020: 64/413 (15.5%)  2021: 124/413 (30%)  2022: 135/413 (32.7%) |  | 2019: 90/413 (21.8%)  2020: 64/413 (15.5%)  2021: 124/413 (30%)  2022: 135/413 (32.7%) |  |
| Length of total hospital stay  (TOTHLOS): | Mean: 4.34 days  Std: 2.26 days  Median: 4 days  Min: 0 day  Max: 15 days |  | Mean: 4.34 days  Std: 2.26 days  Median: 4 days  Min: 0 day  Max: 15 days |  |
| Number of blood transfusions  (NOTHBLEED): | 0: 397/413 (96.1%)  1: 16/413 (3.9%) |  | 0: 397/413 (96.1%)  1: 16/413 (3.9%) |  |
| Still in Hospital > 30 days  (STILLINHOSP): | No: 413/413(100%) |  | No: 413/413(100%) |  |
| **Concurrent procedures**  CONCURR1:  CONCPT1: | AMPUTATION PENIS COMPLETE (CPT 54125): 12/62 (19.4%)  CYSTOURETHROSCOPY (CPT 52000): 1/62 (1.6%)  EXPL RPR & PRESACRAL DRG RECTAL INJURY (CPT 45562): 1/62 (1.6%)  INTERSEX SURG MALE FEMALE (CPT 55970): 1/62 (1.6%)  LAPS COLECTOMY PRTL W/COLOPXTSTMY LW ANAST (CPT 44207): 2/62 (3.2%)  LARYNGOPLASTY CRICOID SPLIT W/O GRAFT PLACEMENT (CPT 31587): 1/62 (1.6%)  ORCHIECTOMY RADICAL TUMOR INGUINAL APPROACH (CPT 54530): 2/62 (3.2%)  ORCHIECTOMY SIMPLE SCROTAL/INGUINAL APPROACH (CPT 54520): 21/62 (33.9%)  PROCTOSGMDSC RGD DX W/WO COLLJ SPEC BR/WA SPX (CPT 45300): 1/62 (1.6%)  SPLIT AGRFT F/S/N/H/F/G/M/D GT 1ST 100 CM/</1 % (CPT 15120): 1/62 (1.6%)  SPLIT AGRFT T/A/L EA 100 CM/EA 1% BDY INFT/CHLD (CPT 15101): 1/62 (1.6%)  UNLISTED PROCEDURE URINARY SYSTEM (CPT 53899): 2/62 (3.2%)  URETHROPLASTY 1 STG RECNST MALE ANTERIOR URETHRA (CPT 53410): 1/62 (1.6%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 10/62 (16.1%)  URTP TRANSPUBIC/PRNL 1 STG RCNSTJ/RPR URT (CPT 53415): 2/62 (3.2%)  VAGINOPLASTY INTERSEX STATE (CPT 57335): 3/62 (4.8%) |  | AMPUTATION PENIS COMPLETE (CPT 54125): 12/62 (19.4%)  CYSTOURETHROSCOPY (CPT 52000): 1/62 (1.6%)  EXPL RPR & PRESACRAL DRG RECTAL INJURY (CPT 45562): 1/62 (1.6%)  INTERSEX SURG MALE FEMALE (CPT 55970): 1/62 (1.6%)  LAPS COLECTOMY PRTL W/COLOPXTSTMY LW ANAST (CPT 44207): 2/62 (3.2%)  LARYNGOPLASTY CRICOID SPLIT W/O GRAFT PLACEMENT (CPT 31587): 1/62 (1.6%)  ORCHIECTOMY RADICAL TUMOR INGUINAL APPROACH (CPT 54530): 2/62 (3.2%)  ORCHIECTOMY SIMPLE SCROTAL/INGUINAL APPROACH (CPT 54520): 21/62 (33.9%)  PROCTOSGMDSC RGD DX W/WO COLLJ SPEC BR/WA SPX (CPT 45300): 1/62 (1.6%)  SPLIT AGRFT F/S/N/H/F/G/M/D GT 1ST 100 CM/</1 % (CPT 15120): 1/62 (1.6%)  SPLIT AGRFT T/A/L EA 100 CM/EA 1% BDY INFT/CHLD (CPT 15101): 1/62 (1.6%)  UNLISTED PROCEDURE URINARY SYSTEM (CPT 53899): 2/62 (3.2%)  URETHROPLASTY 1 STG RECNST MALE ANTERIOR URETHRA (CPT 53410): 1/62 (1.6%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 10/62 (16.1%)  URTP TRANSPUBIC/PRNL 1 STG RCNSTJ/RPR URT (CPT 53415): 2/62 (3.2%)  VAGINOPLASTY INTERSEX STATE (CPT 57335): 3/62 (4.8%) |  |
| CONCURR2:  CONCPT2: | 1 STG PERINEAL HYPOSPADIAS RPR W/GRF&/FLAP (CPT 54336): 1/40 (2.5%)  AMNIOCENTESIS DIAGNOSIC (CPT 59000): 1/40 (2.5%)  AMPUTATION PENIS COMPLETE (CPT 54125):  13/40 (32.5%)  CLITOROPLASTY INTERSEX STATE (CPT 56805): 1/40 (2.5%)  COLECTOMY PARTIAL W/ANASTOMOSIS (CPT 44140): 1/40 (2.5%)  COLPOSCOPY ENTIRE VAGINA W/CERVIX IF PRESENT (CPT 57420): 1/40 (2.5%)  CONSTRUCTION ARTIFICIAL VAGINA W/GRAFT (CPT 57292): 1/40 (2.5%)  ORCHIECTOMY SIMPLE SCROTAL/INGUINAL APPROACH (CPT 54520): 13/40 (32.5%)  SPLIT AGRFT T/A/L 1ST 100 CM/&/1% BDY INFT/CHLD (CPT 15100): 1/40 (2.5%)  UNLISTED PROCEDURE URINARY SYSTEM (CPT 53899): 2/40 (5%)  URETHROPLASTY 1 STG RECNST MALE ANTERIOR URETHRA (CPT 53410): 1/40 (2.5%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 2/40 (5%)  URETHROTOMY/URETHROSTOMY XT SPX PERINEAL URETHRA (CPT 53010): 1/40 (2.5%)  URTP TRANSPUBIC/PRNL 1 STG RCNSTJ/RPR URT (CPT 53415): 1/40 (2.5%) |  | 1 STG PERINEAL HYPOSPADIAS RPR W/GRF&/FLAP (CPT 54336): 1/40 (2.5%)  AMNIOCENTESIS DIAGNOSIC (CPT 59000): 1/40 (2.5%)  AMPUTATION PENIS COMPLETE (CPT 54125):  13/40 (32.5%)  CLITOROPLASTY INTERSEX STATE (CPT 56805): 1/40 (2.5%)  COLECTOMY PARTIAL W/ANASTOMOSIS (CPT 44140): 1/40 (2.5%)  COLPOSCOPY ENTIRE VAGINA W/CERVIX IF PRESENT (CPT 57420): 1/40 (2.5%)  CONSTRUCTION ARTIFICIAL VAGINA W/GRAFT (CPT 57292): 1/40 (2.5%)  ORCHIECTOMY SIMPLE SCROTAL/INGUINAL APPROACH (CPT 54520): 13/40 (32.5%)  SPLIT AGRFT T/A/L 1ST 100 CM/&/1% BDY INFT/CHLD (CPT 15100): 1/40 (2.5%)  UNLISTED PROCEDURE URINARY SYSTEM (CPT 53899): 2/40 (5%)  URETHROPLASTY 1 STG RECNST MALE ANTERIOR URETHRA (CPT 53410): 1/40 (2.5%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 2/40 (5%)  URETHROTOMY/URETHROSTOMY XT SPX PERINEAL URETHRA (CPT 53010): 1/40 (2.5%)  URTP TRANSPUBIC/PRNL 1 STG RCNSTJ/RPR URT (CPT 53415): 1/40 (2.5%) |  |
| CONCURR3:  CONCPT3: | AMPUTATION PENIS COMPLETE (CPT 54125): 1/14 (7.1%)  CONSTRUCTION ARTIFICIAL VAGINA W/O GRAFT (CPT 57291): 1/14 (7.1%)  ORCHIECTOMY SIMPLE SCROTAL/INGUINAL APPROACH (CPT 54520): 4/14 (28.6%)  SCROTOPLASTY COMPLICATED (CPT 55180): 1/14 (7.1%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 6/14 (42.9%)  URTP TRANSPUBIC/PRNL 1 STG RCNSTJ/RPR URT (CPT 53415): 1/14(7.1%) |  | AMPUTATION PENIS COMPLETE (CPT 54125): 1/14 (7.1%)  CONSTRUCTION ARTIFICIAL VAGINA W/O GRAFT (CPT 57291): 1/14 (7.1%)  ORCHIECTOMY SIMPLE SCROTAL/INGUINAL APPROACH (CPT 54520): 4/14 (28.6%)  SCROTOPLASTY COMPLICATED (CPT 55180): 1/14 (7.1%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 6/14 (42.9%)  URTP TRANSPUBIC/PRNL 1 STG RCNSTJ/RPR URT (CPT 53415): 1/14(7.1%) |  |
| CONCURR4:  CONCPT4: | AMPUTATION PENIS COMPLETE (CPT 54125): 1/6 (16.7%)  CLITOROPLASTY INTERSEX STATE (CPT 56805): 1/6 (16.7%)  FRMJ DIR/TUBE PEDCL W/WOTR FH/CH/CH/M/N/AX/G/H/F (CPT 15574): 1/6 (16.7%)  RPR NFLTBL URETHRAL/BLADDER NECK SPHINCTER (CPT 53449): 1/6 (16.7%)  URETHROPLASTY 1 STG RECNST MALE ANTERIOR URETHRA (CPT 53410): 1/6 (16.7%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 1/6 (16.7%) |  | AMPUTATION PENIS COMPLETE (CPT 54125): 1/6 (16.7%)  CLITOROPLASTY INTERSEX STATE (CPT 56805): 1/6 (16.7%)  FRMJ DIR/TUBE PEDCL W/WOTR FH/CH/CH/M/N/AX/G/H/F (CPT 15574): 1/6 (16.7%)  RPR NFLTBL URETHRAL/BLADDER NECK SPHINCTER (CPT 53449): 1/6 (16.7%)  URETHROPLASTY 1 STG RECNST MALE ANTERIOR URETHRA (CPT 53410): 1/6 (16.7%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 1/6 (16.7%) |  |
| CONCURR5:  CONCPT5: | CYSTOURETHROSCOPY (CPT 52000): 1/4 (25%)  UNLISTED PROCEDURE URINARY SYSTEM (CPT 53899): 1/4 (25%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 2/4 (50%) |  | CYSTOURETHROSCOPY (CPT 52000): 1/4 (25%)  UNLISTED PROCEDURE URINARY SYSTEM (CPT 53899): 1/4 (25%)  URETHROPLASTY RCNSTJ FEMALE URETHRA (CPT 53430): 2/4 (50%) |  |
| CONCURR6:  CONCPT6: | CLITOROPLASTY INTERSEX STATE (CPT 56805): 2/2 (100%) |  | CLITOROPLASTY INTERSEX STATE (CPT 56805): 2/2 (100%) |  |
| **All Concurrent procedures**  **(CONCPT1, CONCPT2, CONCPT3, CONCPT4, CONCPT5, CONCPT6)** | 54520: 38/128 (29.7%)  54125: 27/128 (21.1%)  53430: 21/128 (16.4%)  53899: 5/128 (3.9%)  53415: 4/128 (3.1%)  56805: 4/128 (3.1%)  53410: 3/128 (2.3%)  57335: 3/128 (2.3%)  44207: 2/128 (1.6%)  52000: 2/128 (1.6%)  54530: 2/128 (1.6%)  53449: 1/128 (0.8%)  55180: 1/128 (0.8%)  54336: 1/128 (0.8%)  57291: 1/128 (0.8%)  57292: 1/128 (0.8%)  53010: 1/128 (0.8%)  59000: 1/128 (0.8%)  15120: 1/128 (0.8%)  15100: 1/128 (0.8%)  44140: 1/128 (0.8%)  57420: 1/128 (0.8%)  31587: 1/128 (0.8%)  45300: 1/128 (0.8%)  45562: 1/128 (0.8%)  15101: 1/128 (0.8%)  55970: 1/128 (0.8%)  15574: 1/128 (0.8%) |  | 54520: 38/128 (29.7%)  54125: 27/128 (21.1%)  53430: 21/128 (16.4%)  53899: 5/128 (3.9%)  53415: 4/128 (3.1%)  56805: 4/128 (3.1%)  53410: 3/128 (2.3%)  57335: 3/128 (2.3%)  44207: 2/128 (1.6%)  52000: 2/128 (1.6%)  54530: 2/128 (1.6%)  53449: 1/128 (0.8%)  55180: 1/128 (0.8%)  54336: 1/128 (0.8%)  57291: 1/128 (0.8%)  57292: 1/128 (0.8%)  53010: 1/128 (0.8%)  59000: 1/128 (0.8%)  15120: 1/128 (0.8%)  15100: 1/128 (0.8%)  44140: 1/128 (0.8%)  57420: 1/128 (0.8%)  31587: 1/128 (0.8%)  45300: 1/128 (0.8%)  45562: 1/128 (0.8%)  15101: 1/128 (0.8%)  55970: 1/128 (0.8%)  15574: 1/128 (0.8%) |  |