Table 1: Mesh Related Complications

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|  | **No Mesh Complication (N=596)** | **Mesh Complication (N=7)** | **p-value** |
| **Menopausal status** |  |  | 0.41 |
| Premenopausal | 115 (19.3%) | 3 (42.9%) |  |
| Postmenopausal | 412 (69.1%) | 4 (57.1%) |  |
| Perimenopausal | 9 (1.5%) | 0 (0.0%) |  |
| Unknown/Not Specified | 29 (4.9%) | 0 (0.0%) |  |
| **Smoking**  |  |  | 1.00 |
| Never Smoker | 412 (69.1%) | 5 (71.4%) |  |
| Former Smoker (quit before surgery) | 128 (21.5%) | 1 (14.3%) |  |
| Current smoker (at time of/following surgery) | 15 (2.5%) | 0 (0.0%) |  |
| Unknown | 41 (6.9%) | 1 (14.3%) |  |
| **Weight of Mesh** |  |  | 1.00 |
| Heavy mesh | 87 (14.6%) | 0 (0.0%) |  |
| Ultralightweight | 322 (54.0%) | 1 (14.3%) |  |
| POP recurrence | 52 (8.7%) | 1 (14.3%) | 0.50 |
| **Suture used to attach mesh** |  |  |  |
| Gore-Tex/or other PTFE permanent | 401 (67.3%) | 1 (14.3%) | 0.003 |
| Prolene/or other monofilament permanent | 23 (3.9%) | 0 (0.0%) | 0.60 |
| Ethibond/other braided permanent | 99 (16.6%) | 6 (85.7%) | <0.001 |
| PDS/or other monofilament absorbable | 67 (11.2%) | 0 (0.0%) | 0.35 |
| Vicryl/or other braided absorbable | 1 (0.2%) | 0 (0.0%) | 0.91 |
| V-Loc or other barbed suture | 13 (2.2%) | 0 (0.0%) | 0.69 |
| **Prior prolapse repair**  | 34 (5.7%) | 1 (14.3%) | 0.37 |
| **Type of surgery** |  |  | 0.60 |
| Robot | 77 (12.9%) | 0 (0.0%) |  |
| Laparoscopy | 519 (87.1%) | 7 (100.0%) |  |
| Unknown | 0 (0.0%) | 0 (0.0%) |  |
| **Longest duration of follow up in months (median, IQR)** | 7 (1, 26) | 55 (20, 136) | 0.014 |
| **Type of surgeon** |  |  | 0.017 |
| MIGS | 314 (52.7%) | 7 (100.0%) |  |
| Urogyn | 281 (47.1%) | 0 (0.0%) |  |
| **Primary Instrument Used** |  |  |  |
| Monopolar (scissors/hook/spatula) | 129 (21.6%) | 0 (0.0%) | 0.17 |
| Bipolar | 128 (21.5%) | 0 (0.0%) | 0.17 |
| Advanced bipolar (Ligasure) | 36 (6.0%) | 0 (0.0%) | 0.50 |
| Ultrasonic (Harmonic) | 427 (71.6%) | 7 (100.0%) | 0.097 |
| **Postop estrogen use** |  |  | 0.60 |
| None | 384 (64.4%) | 4 (57.1%) |  |
| Vaginal Estrogen | 133 (22.3%) | 0 (0.0%) |  |
| Systemic Estrogen | 8 (1.3%) | 0 (0.0%) |  |
| Unknown | 71 (11.9%) | 3 (42.9%) |  |