373: A Staged Midurethral Sling Strategy for	
Symptomatic SUI and Pelvic Organ Prolapse	
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• Stress urinary incontinence (SUI) affects 30-80%	• To determine the proportion of women who
of women having pelvic organ prolapse surgery	experienced resolution of SUI after minimally
• Data regarding outcomes of a staged midurethral sling (MUS) strategy in women with preoperative SUI undergoing prolapse repair are limited:	invasive sacrocolpopexy or uterosacral ligament suspension without a concomitant incontinence procedure
• Resolution of preoperative SUI occurs after 30-60% of vaginal prolapse repairs	• To assess the proportion of women who underwent staged MUS
• With a staged approach, up to 66% of women will not undergo a planned MUS	• To assess clinical characteristics associated with resolution of SUI and staged MUS placement
Methods	
<ul> <li>Retrospective, observational cohort study</li> <li>Minimally invasive sacrocolpopexy or uterosacral ligament suspension, 2009-2015</li> <li>Inclusion: Preoperative SUI <ul> <li>Subjective: patient reported symptoms</li> <li>Objective: leak with cough or Valsalva on cystometry or multichannel urodynamics</li> </ul> </li> <li>Exclusion: Concomitant incontinence procedures</li> <li>Primary Outcome: <ul> <li>Proportion of women with subjective</li> </ul> </li> </ul>	<ul> <li>resolution of SUI after prolapse repair</li> <li>Secondary outcomes: <ul> <li>Proportion who underwent staged MUS</li> <li>Timing of staged MUS placement</li> <li>Clinical characteristics associated with resolution of SUI and staged MUS</li> </ul> </li> <li>T-tests, Mann-Whitney U, Chi-Square, Fisher's Exact, and exploratory multivariable logistic regression analyses (SPSS<sup>®</sup> 24)</li> </ul>
Results	
• 73 minimally invasive sacrocolpopexies (78.5%)	• Median follow-up 8.3 months (IQR 3.4-26.7)
and 20 uterosacral ligament suspensions (21.5%)	• Of the staged MUS, 79.4% (n=27) were performed within 12 months of prolapse surgery
Figure 1. Outcomes of Preoperative SUI Symptoms (n=93)	<ul> <li>Median time to MUS was 5.5 months (IQR 4.2-9.9)</li> </ul>
	<ul> <li>Obese women had a 70% lower odds of resolution</li> </ul>
<b>30%</b> • SUI Resolved (n=28)	of SUI after prolapse repair (OR 0.28, 95% CI 0.08-0.95)
<b>70%</b> • SUI Persisted (n=65)	• Preoperative Urogenital Distress Inventory (UDI)
• Of the entire cohort, 47 women (50.5%) received	SUI bother was not associated with SUI resolution (OR 0.98, 95% CI 0.23-1.64)
treatment for persistent SUI	• No factors associated with staged MUS placement
• MUS (n=34, 36.6%)	Figure 3. Preoperative UDI-6 SUI Bother in
<ul> <li>Pelvic floor physical therapy (n=11, 11.8%)</li> <li>Periurethral bulking (n=2, 2.2%)</li> </ul>	Women who did and did not have a Staged MUS (p=0.88)
Figure 2. Outcomes of Women with Persistent	st 50
3% SUI (n=65)	40 No Staged
Staged Midurethral Sling	y of a table of the table of
<b>17%</b> • No Treatment	10 $10$ $10$ $10$ $10$ $10$ $10$ $10$
<b>28% 52%</b> Pelvic Floor Physical Therapy	y a Not at all Moderately a bit
Periurethral Bulking	- No Son Moor Qui
	Degree of SUI Bother
<ul> <li>Conclusions</li> <li>Nearly 1 in 3 women reported resolution of preoperative SUI after minimally invasive</li> </ul>	
sacrocolpopexy or uterosacral ligament suspension without a concomitant incontinence procedure	

- sacrocolpopexy or uterosacral ligament suspension without a concomitant incontinence procedure
  Only 37% of women underwent a staged MUS
- A staged approach to treatment of preexisting SUI may result in a nearly two-thirds reduction in placement of MUS
- Counseling for concomitant MUS should include the possibility of SUI resolution