

Appendix 3. Summary of Results for Recent Vaginal Mesh Repair Randomized Controlled Trials

Study	Year	n	Follow-up	Cure	Blinded Examination	Complications
Halaska (23)	2012	All compartments (9.5%) 83 no mesh 85 mesh (polypropylene mesh)	12 mo	POP-Q \leq Stage 1 60.6% no mesh 83.1% mesh	No	20.8% mesh exposure 11.8% reoperation mesh complication 3.8% bladder perforation mesh SUI-25.4% no mesh, 35.1% mesh
Menefee (9)	2012	Anterior compartment (21%) 32 no mesh 31 porcine (Substitute porcine dermis graft) 36 mesh (polypropylene mesh)	24 mo	POP-Q \leq Stage 1 42% no mesh 54% porcine 82% mesh	Yes	Erosion-14% mesh, 4% porcine 7% Reoperation mesh complication Dyspareunia-12.5% no mesh, 7.7% porcine, 7.1% mesh

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Altman (8)	2011	Anterior compartment 189 no mesh 200 mesh (polypropylene mesh)	12 mo	POP-Q \leq Stage I + no symptoms bulge 35% no mesh 61% mesh	No	3% reoperation mesh complication 4% bladder perforation mesh 1% bladder perforation no mesh SUI-6% no mesh, 12% mesh Dyspareunia-2% no mesh, 7.3% mesh
Withagen (21)	2011	All compartments 97 no mesh 93 mesh (polypropylene mesh)	12 mo	POP-Q \leq Stage I 55% no mesh 90% mesh	No	17% mesh exposure 4% Reoperation mesh complication Dyspareunia-10% no mesh, 8% mesh De novo pain- 4% no mesh, 8% mesh
Nieminen (5)	2010	Anterior Compartment 97 no mesh 105 mesh	36 mo	POP-Q \leq Stage I 59% no mesh 87% mesh	No	19% mesh exposure SUI-5% no mesh, 7% mesh

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		(polypropylene mesh)				
Nguyen (7)	2008	Anterior compartment 38 no mesh 37 mesh (Perigee)	12 mo	POP-Q <stage 2 55% no mesh 87% mesh	Yes	5% mesh exposure Dyspareunia-16% no mesh, 9% mesh

POP-Q, pelvic organ prolapse quantification; SUI, stress urinary incontinence.

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