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**Supplemental Table 4: RENEEDLING RATE<sup>a</sup>**

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Clinic	25% (8/32)
OR	7% (1/15)
	P = 0.136
Trabeculectomy	22% (2/14)
ExPress	13% (2/16)
XEN	18% (3/17)
	P = 0.915
XEN Needling Rate	53.1% (17/32 <sup>b</sup> )

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<sup>a</sup>Rate of repeat bleb needling events within 3 months of most recent needling.

<sup>b</sup>Total of all XEN gel stents performed within study dates that required needling.

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