

**Table S1** Complication rates stratified by removal and replacement status

Complication	Removal and replacement (n=124)	Virgin case (n=410)	P
Any complication, n (%)	15 (12.1)	40 (9.8)	0.075
Device infection, n (%)	6 (4.8)	15 (3.7)	0.598
Hematoma, n (%)	3 (2.4)	13 (3.2)	1.00
Device malfunction, n (%)	5 (4.0)	5 (1.2)	0.057
Reservoir herniation, n (%)	1 (0.8)	0 (0.0)	1.00

**Table S2** Complication rates for virgin cases and removal and replacement cases stratified by CI

Complication	Virgin cases (n=410)			Removal and replacement cases (n=124)		
	CI (n=28)	Non-CI (n=382)	P	CI (n=23)	Non-CI (n=101)	P
Any complication, n (%)	5 (17.9)	35 (9.2)	0.243	2 (8.7)	13 (12.9)	0.841
Device infection, n (%)	1 (3.6)	14 (3.7)	1.00	0 (0.0)	6 (5.9)	0.592
Hematoma, n (%)	1 (3.6)	12 (3.1)	0.607	2 (8.7)	1 (1.0)	0.088
Device malfunction, n (%)	0 (0.0)	5 (1.3)	1.00	3 (13.0)	2 (2.0)	0.044
Reservoir herniation, n (%)	0 (0.0)	0 (0.0)	1.00	0 (0.0)	1 (1.0)	1.00

CI, counter incision.