Supplemental Online Content

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eTable. Multivariate analysis showing odds of major complications by device type

This supplemental material has been provided by the authors to give readers additional information about their work.

eTable. Multivariate analysis showing odds of major complications by device type (limited to complications occuring within 10 days of line placement)

	Total n = 10,863	Midline n=5,105	PICC n=5,758	Odds ratio (95% CI)	P value
Any major complication	457 (4.2%)	170 (3.3%)	287 (5.0%)	1.45 (1.12-1.88)	0.005
Primary BSI	43 (0.4%)	14 (0.3%)	29 (0.5%)	2.83 (1.37-5.84)	0.006
Catheter Occlusion	295 (2.7%)	92 (1.8%)	203 (3.5%)	1.66 (1.19-2.32)	0.004
DVT	115 (1.1%)	61 (1.2%)	54 (0.9%)	0.84 (0.54-1.32)	0.440
Pulmonary Embolism	13 (0.1%)	7 (0.1%)	6 (0.1%)	0.65 (0.18-2.41)	0.515

* All results are estimated using a logistic mixed-effect model with robust sandwich covariance matrix estimates to account for hospital-level correlation. Patient and device-level adjustments include age, sex, catheter lumens, line duration, Charlson comorbidity score, previous CVC placements and history of prior DVT, PE, CLABSI or Cancer.

Abbreviations: BSI, bloodstream infection; DVT, deep vein thrombosis; PICC, peripherally inserted central catheter.