

Table 4. Multivariate analysis of parameters affecting complication development

Variables	Odds ratio (95% CI)	P value
All complications		
Age	1.004 (0.990-1.019)	0.556
Abnormal renal anatomy	2.733 (1.350-6.554)	0.010
Number of stones		
Single	ref	
Multiple	2.790 (1.590-4.898)	<0.001
Stonelocation		
Others	ref	
Pelvis	0.977 (0.512-1.866)	0.944
Multicaliceal	0.752 (0.399-1.419)	0.379
Proximal ureter	1.018 (0.489-2.120)	0.961
Pelvis + single calyx	1.147 (0.419-3.136)	0.790
Operative time	1.012 (1.003-1.022)	0.011
Fluoroscopy time	0.999 (0.995-1.004)	0.676
Stone-free rates	0.237 (0.151-0.373)	<0.001
Major complications (Clavien grade ≥ 3)		
Stone size, mm	1.026 (0.977-1.077)	0.309
Number of stones		
Single	Ref	
Multiple	1.584 (0.493-5.091)	0.440
Fluoroscopy time, sec	1.003 (0.996-1.010)	0.432
Stone-free status	0.347 (0.124-0.974)	0.044
Complications requiring endoscopic, open or laparoscopic re-treatment (Satava grade $\geq 2b$)		
Stone size, mm	1.066 (1.036-1.098)	<0.001
Stone density, HU	0.999 (0.997-1.000)	0.022
Number of stones		
Single	Ref	
Multiple	0.973 (0.500-1.896)	0.937
Fluoroscopy time	1.007 (1.003-1.011)	<0.001

HU, Hounsfield units