

**Table 3.** Parameters affecting complication rates according to the univariate analysis

	No complication (n=828)	Complications present (n=121)	p value <sup>&amp;</sup>
Age, years, mean $\pm$ SD	46.8 $\pm$ 14.0	49.5 $\pm$ 16.0	<b>0.031</b>
Gender, n(%)			0.301*
Female	307 (37.1)	39 (32.2)	
Male	521 (62.9)	82 (67.8)	
BMI, kg/m <sup>2</sup> , median (IQR)	26.8 (24.3-29.7)	26.3 (24.5-28.5)	0.183
Previous history of ESWL, n(%)	139 (16.8)	18 (14.9)	0.691 <sup>^</sup>
ASA category, n(%)			0.064#
ASA I	366 (44.2)	41 (33.9)	
ASA II	362 (43.7)	65 (53.7)	
ASA III	92 (11.1)	12 (9.9)	
ASA IV	8 (1.0)	3 (2.5)	
Solitary kidney, n(%)	3 (100)	0 (0)	
Abnormal renal anatomy, n(%)	32 (3.9)	12 (9.9)	<b>0.006<sup>^</sup></b>
Side, n(%)			0.819#
Left	404 (48.4)	62 (45.5)	
Right	401 (48.8)	55 (51.2)	
Bilateral	23 (2.8)	4 (3.3)	
Stonelocation, n(%)			<b>&lt;0.001#</b>
Pelvis	201 (24.3) <sup>a</sup>	18 (14.9) <sup>b</sup>	
Lower calyx	172 (20.8) <sup>a</sup>	24 (19.8) <sup>a</sup>	
Middle calyx	70 (8.5) <sup>a</sup>	8 (6.6) <sup>a</sup>	
Upper calyx	41 (5.0) <sup>a</sup>	6 (5.0) <sup>a</sup>	
Multicaliceal	103 (12.4) <sup>a</sup>	29 (24.0) <sup>b</sup>	
Proximal ureter	163 (19.7) <sup>a</sup>	13 (10.7) <sup>b</sup>	
Kidney + ureter	57 (6.9) <sup>a</sup>	14 (11.6) <sup>a</sup>	
Pelvis + single calyx	21 (2.5) <sup>a</sup>	9 (7.4) <sup>b</sup>	
Stone length, mm, Median (IQR)	12 (10-18)	22 (13.25-30)	<b>&lt;0.001</b>
Stone HU, median (IQR)	1035 (867-1205)	987 (855-1179)	<b>0.002</b>
Number of stones, n(%)			<b>&lt;0.001*</b>
Single	600 (72.5)	52 (43.0)	
Multiple	228 (27.5)	69 (57.0)	
Ureteral access sheath, n(%)	624 (75.4)	97 (80.2)	0.248*
Preoperative stent, n(%)	146 (90.1)	16 (9.9)	0.282 <sup>^</sup>
Re-procedure requirement, n (%)			<b>&lt;0.001#</b>
Observation	58 (7.0) <sup>a</sup>	14 (11.6) <sup>a</sup>	
ESWL	10 (1.2) <sup>a</sup>	2 (1.7) <sup>a</sup>	
RIRS	41 (5.0) <sup>a</sup>	32 (26.4) <sup>b</sup>	
PCNL	0 <sup>a</sup>	4 (3.3) <sup>b</sup>	
Operative time, min, median (IQR)	45 (35-60)	60 (40- 73.75)	<b>&lt;0.001</b>
Fluoroscopy time, sec, Median (IQR)	19 (10-40)	24 (11.25-55.75)	<b>0.016</b>
Length of hospital stay, days, median (range)	1 (1-8)	2 (1-15)	<b>0.004</b>
Stone-free status	725 (87.6)	68 (56.2)	<b>&lt;0.001<sup>^</sup></b>
CIRF <sup>a</sup> rates	44 (5.3)	6 (5.0)	1.000 <sup>^</sup>

<sup>&</sup>Mann-Whitney U test

\* Pearson chi-square test

<sup>^</sup>Yates' chi-square test

#Exact test

SD, standard deviation; IQR, interquartile range; ESWL, extracorporeal shock wave lithotripsy; ASA, American Society of Anesthesiologists; CIRF, clinically insignificant residual fragment