

Parameters	
Age(years), Mean±SD	45.1±13.1
Gender(male:female)	530:254
BMI(kg/m ²), Mean±SD	22.1±2.1
Comorbidities, n(%)	
Hypertension	176(22.45%)
Diabetes Mellitus	124(15.82%)
Renal insufficiency	41(5.23%)
medullary sponge kidney	10(1.28%)
History of previous ipsilateral surgery,n(%)	
Initial PCNL	20(2.55%)
Initial RIRS	30(2.83%)
Initial URL	25(3.19%)
Initial ESWL	45(5.74%)
Open surgery	12(1.53%)
Positive urine culture	158(20.15%)
Pre-procedural DJ stenting	421(56.28%)
Renal stone burden(range),cm, Mean±SD	1.5±0.6(0.8-3.0)
Renal stone density(CT value), Mean±SD	1032±169
Ipsilateral ureteral calculi	46(5.87%)
ureteral calculi burden(range),cm, Mean±SD	0.8±0.2(0.6-1.1)
stone location,n(%)	
Pelvis	87(11.1%)
Upper calyx	102(13.01%)
Middle calyx	296(37.76%)
Lower calyx	120(15.31%)
Multiple	186(23.72%)

Table 1. Baseline characteristics of the 784 patients

BMI: body mass index, PCNL: percutaneous nephrolithotomy, RIRS: retrograde intrarenal surgery, URL: ureteroscopy lithotripsy, ESWL: extracorporeal shock wave lithotripsy, CT: computed tomography SD: standard deviation,