

Variables	RIRS (n = 40)	PNL (n = 40)	P
Age, years	49.28±13.9	51.28±14.3	0.529 ^a
Gender			
Female n (%)	9 (22.5%)	13 (32.5%)	0.317 ^μ
Male n (%)	31 (77.5%)	27 (67.5%)	
BMI kg/m ²	27.36±3.48	26.56±2.96	0.275 ^α
Stone location n(%)			
Upper pole	4 (10%)	4 (10%)	0.551 ^μ
Middle pole	10 (25%)	5 (12.5%)	
Lower pole	11 (27.5%)	13 (32.5%)	
Pelvis	15 (37.5%)	18 (45%)	
DM n (%)			
Present	4 (10%)	7 (17.5%)	0.330 ^μ
Absent	36 (90%)	33 (82.5%)	
Stone size (mm ²)	122.48±51.292	343.65±236.63	<0.001 ^β
Stone side n			
Right	17 (42.5%)	10 (25%)	0.098 ^μ
Left	23 (57.5%)	30 (75%)	
Operation time (minutes)	47.50±20.69	60.25±22.98	<0.001 ^α
Length of hospital stay (days)	1.53±1.61	4.10±2.37	<0.001 ^β
Success (stone-free) rate n(%)			
Failure	4 (10%)	3 (7.5%)	0.516 ^μ
Success	36 (90%)	37 (92.5%)	
Clavien classificationn(%)			
0	26 (65%)	9 (22.5%)	0.001 ^μ
1	12 (30%)	21 (52.5%)	
2	2 (5%)	9 (22.5%)	
3A	0	1 (2.5%)	
0	0	1 (2.5%)	
Preoperative KIM-1 (ng/ml)	1.51±1.06	1.21±0.44	0.535 ^β
Preoperative MIOX (ng/ml)	17.80±15.39	15.23±9.36	0.580 ^β
^a Student's t-test, ^β Mann-Whitney U test, ^μ Chi-square test, BMI: Body mass index, RIRS: retrograde intrarenal surgery, PNL: percutaneous nephrolithotomy KIM-1: Kidney injury molecule-1, MIOX: Myo-inositol oxygenase, DM: Diabetes mellitus			

Table 1: Demographic characteristics of the study groups

	RIRS			PNL		
Variables	Preoperative	Postoperative	P	Preoperative	Postoperative	P
Hemoglobin (g/dl)	14.80±1.33	14.98±3.30	0.695 ^Ω	14.01±1.34	12.92±1.37	<0.001 ^Ω
Urea (mg/dl)	33.55±11.52	32.30±10.56	0.598 [¥]	38.02±2.047	36.22±18.96	0.410 [¥]
Creatinine (mg/dl)	1.04±0.31	0.98±0.22	0.272 ^Ω	1.08±0.59	1.01±0.36	0.387 ^Ω
GFR (ml/dk/1.73m ²)	83.30±20.41	86.52±17.64	0.325 ^Ω	79.80±21.52	78.50±19.87	0.506 ^Ω
MIOX (ng/ml)	17.80±15.39	25.30±20.11	0.001 [¥]	15.23±9.36	25.81±16.13	<0.001 [¥]
KIM-1 (ng/ml)	1.51±1.06	1.88±1.59	0.139 [¥]	1.21±0.44	1.68±0.58	<0.001 [¥]
Mean MIOX increase (ng/ml)	7.501±16.46			10.583±9.73		0.001 [¥]
Mean KIM-1 increase (ng/ml)	0.375±1.13			0.471±0.328		0.003 [¥]
ΩDependent-samples t-test, ¥Wilcoxon test, ¥Mann-Whitney U test, GFR: Glomerular filtration rate, KIM-1: Kidney injury molecule-1, MIOX: Myo-inositol oxygenase, PNL: percutaneous nephrolithotomy, RIRS: retrograde intrarenal surgery						

Table 2: Table 2.Comparative data of the patients in the PNL and RIRS groups