

Supplementary material:

Surgeries (n)	DAP in cGy·cm²
RIRS (83)	391.20 (234.20 – 598.30)
nephrostomy (38)	136.20 (89.10 – 370.30)
MJ ureteral catheter (34)	277.40 (153.10 – 367.50)
DJ ureteral catheter (73)	447.20 (196.90 – 742.90)
Others (2)	55.50 (1.60 – 109.40)
PCNL (10)	716.85 (454.30 – 2131.30)
Pyelography (3)	184.60 (66.70 – 404.10)
Memokath™ insertion (1)	3231.30 (3231.30 – 3231.30)
RIRS + DJ ureteral catheter (2)	898.80 (599.10 – 1198.50)
nephrostomy + DJ ureteral catheter (2)	690.40 (253.70 – 1127.10)
RIRS + ESWL (1)	801.00 (801.00 – 801.00)
Total (249)	328.10 (1.60 – 606.80)

Table S1: median dose area product (DAP) broken down by type of surgery (50% confidence interval (CI), cGy=centigray).

Surgery	n total	Professional experience/ Position of US		
		resident physician in %	Urology specialist in %	Urology expert in %
RIRS	83	10.00	51.95	45.83
nephrostomy		21.00	7.79	15.28
MJ ureteral catheter	34	24.00	5.19	8.33
DJ ureteral catheter	73	45.00	16.88	20.83
others	2	0	1.30	1.39
PCNL	10	0	10.39	2.78
pyelography	3	0	1.30	2.78
Memokath™ insertion	1	0	0	1.39
RIRS + DJ ureteral catheter	2	0	2.60	0.00
nephrostomy + DJ ureteral catheter	2	0	1.30	1.39
RIRS + ESWL	1	0	1.30	0.00
Total	249	100.00	100.00	100.00

Table S2: number of surgeries performed according to the professional experience and position of the urological surgeon (US) (ESWL= Extracorporeal Shock Wave Lithotripsy, PCNL= percutaneous nephrolithotomy, RIRS= retrograde intrarenal surgery).