

Supplementary Table S1: Pre-operative data of groups 1, 2 and 3. Total population

clinicopathologic data reported as median (range). Group clinicopathologic data reported as: mean (standard deviation).

	Total	Group 1	Group 1	Group 1	Group 2	Group 2	Group 2	Group 3	Group statistics		
		All 2.0	Uni 2.0	Bilat 2.0	All 3.0	Uni 3.0	Bi 3.0	2.0/3.0	1 vs 2	1 vs 3	2 vs 3
Pre-Creat-SX (mg/dl)	7.1 (1.2-22.3)	8.57 (0.96)	7.6 (1.1)	10.6 (1.7)	7.6 (1.2)	7.0 (1.3)	9.68 (2.5)	10.83 (1.5)	NS	NS	NS
Pre-SDMA (mg/dl)	47 (9-100)	51.1 (5.1)	51.5 (6)	49.9 (10.4)	46.2 (7.5)	43.8 (8)	62 (10.5)	61.9 (8.4)			
Pre-IRIS	4 (1-4)	4 (3.5, 1-4)	4 (3.3, 1-4)	4 (4, 4-4)	4 (3.2, 1-4)	4 (3.2, 1-4)	4 (3.4, 2-4)	4 (3.7, 2-4)			
Pre-PCV (%)	31 (16-53)	30.7 (1.3)	31.35 (1.6)	29.5 (2.5)	33.2 (1.7)	33.3 (1.8)	32.8 (3.7)	32.2 (2.0)			
Pre-TP (g/dl)	7.8 (5.5-10.3)	7.6 (0.17)	7.68 (0.2)	7.53 (0.3)	8.0 (0.21)	7.9 (0.2)	8.3 (0.4)	8.21 (0.25)			
Pre-BUN (mg/dl)	118.5 (15-306)	115.8 (10.8)	106.9 (14.3)	134.5 (16.3)	107.6 (13.3)	109.2 (16.6)	102.3 (24)	134 (130.3, 39-290)			
Pre-K (mg/dl)	4.3 (2.6-8.6)	4.6 (0.2)	4.53 (0.2)	4.70 (0.5)	4.7 (0.3)	4.5 (0.3)	5.5 (0.7)	4.8 (0.3)			
Pre-Na (mg/dl)	149 (126-161)	146 (1.9)	145.2 (2.9)	148.2 (1.9)	148 (2.4)	149 (3.4)	144 (2.8)	150 (2.9)			
Pre-P (mg/dl)	8.35 (3.3-22.9)	9.2 (0.9)	9.6 (1.1)	8.6 (1.4)	9.6 (1.4)	9.6 (1.6)	9.5 (1.6)	10.2 (1.5)			
Pre-TCa (mg/dl)	9.6 (6.1-12.5)	9.6 (0.2)	9.7 (0.2)	9.4 (0.3)	9.6 (0.3)	9.5 (0.3)	10.1 (0.7)	9.7 (0.3)			
Pre-iCa		1.0 (0.05)	1.0 (0.08)	1 (0.06)	1.0 (0.07)	1 (0.1)	1.2 (0.1)	1.1 (0.1)			

(mg/dl)	1.09 (0.44-1.68)										
Pre-hyperCa	6/84 (71%)	0*	0	0	4/26* (15%)	4/20 (20%)	0	2/18 (11%)	0.045	NS	NS
Pre-USG	1.015(1.008-1.0600)	1.016 (0.001)	1.016 (0.002)	1.018 (0.002)	1.018 (0.002)	1.019 (0.002)	1.014 (0.004)	1.016 (0.002)	NS	NS	NS
Pre-URBCs 0=none 1= <5 2=5-10 3 = >10	2 (2, 0-3)	2 (1.9, 0-3)	1 (1.8, 0-3)	2 (2, 0-3)	2 (1.9, 0-3)	2 (2.1, 0-3)	0 (1, 0-3)	3 (2.3, 0-3)			
Pre-UWBCs 0 = <2 1 = 2-5 2 = >5	1 (0.8, 0-2)	1 (0.9, 0-2)	1 (0.83, 0-2)	1 (1.18, 0-2)	1 (0.8, 0-2)	1 (0.82, 0-2)	0 (0.66, 0-2)	0 (0.33, 0-1)			
Pre-UpH	6.5 (5-7.5)	6.5 (0.1)	6.5 (0.1)	6.4 (0.2)	6.33 (0.1)	6.4 (0.1)	6 (0.3)	6.2 (0.1)			
Pre-Prot-DS 0=none 0.5=trace 1=1+ etc	1 (1, 0-4)	1 (1, 0-4)	1 (0.85, 0-4)	1 (1.45, 0-3)	0.75, 1.05, 0-4)	0.5 (0.9, 0-4)	1 (1.7, 1-3)	0.5 (0.8, 0-3)			
Hx-Pre-UTI	12/84 (14%)	6/40 (15%)	6/27 (22%)	0/13	6/26 (23%)	6/26 (30%)	0/6	0/18			
Pre-sx-UTI	10/84 (12%)	6/40 (15%)	5/27 (19%)	1/13 (8%)	4/26 (15%)	3/20 (15%)	1/6 (17%)	0/18			

Supplementary Table S1 legend: Groups – as described in table 1. Hx-Pre-UTI = documented history of UTIs prior to presentation for BUO (benign ureteral obstruction). pre-BUN = serum BUN concentration prior to surgery. pre-iCa = serum ionized calcium concentration prior to surgery. pre-IRIS = IRIS CKD stage prior to surgery. Pre-K = serum potassium concentration

prior to surgery. pre-Na = serum sodium concentration prior to surgery. pre-PCV – PCV concentration prior to surgery. pre-P = serum phosphorus concentration prior to surgery. Pre-Prot-DS = median urine protein concentration determined by urine dip stick. Pre-sx-uti = documented evidence of UTI during hospitalization for BUO prior to surgery. Pre-SDMA = serum SDMA concentration prior to surgery. Pre-TCa = serum total calcium concentration prior to surgery. pre-TP = plasma total protein concentration prior to surgery. pre-URBCs = median number of red blood cells on urinalysis. pre-USG = urine specific gravity prior to surgery. pre-UWBCs = median number of white blood cells on urinalysis. pre-hyperCa = incidence of ionized hypercalcemia prior to surgery. pre-creat-sx = serum creatinine concentration prior to surgery. pre-UpH = urine pH prior to surgery.