

Table S1: Patient and tumour characteristics in low-, intermediate- and high-risk sub-groups

	Low-risk sub-group (n=227)				Pv	Intermediate-risk patients (n=236)				Pv	High-risk patients (n=222)				Pv
	Total (n=685)	Without IC ^{††} (n=93)	Single-dose IC ^{††} (n=75)	Long-ter m IC ^{††} (n=59)		Without IC ^{††} (n=94)	Single-dose IC ^{††} (n=76)	Long-ter m IC ^{††} (n=66)	Without IC ^{††} (n=86)		Single-dose IC ^{††} (n=69)	Long-term IC ^{††} (n=67)			
Gender [†]					0.48				0.18					0.17	
Male	504	75	60	43		67	66	43		57	46	53			
Female	181	18	15	16		27	16	23		29	23	14			
Age (years, mean ± SD) [‡]	60.8±8.1	62.0±7.2	61.5±7.6	59.7±8.7	0.21	62±6.7	59.7±8.7	60.9±6.1	0.1	60.2±9.1	60.0±10.6	60.1±8.3		1	
Laterality [†]					0.46				0.71					0.48	
Right	324	41	26	24		46	35	35		41	38	34			
Left	361	52	49	35		48	41	31		45	34	29			
Tumour location [†]					—				0.23						
Calix or pelvis	448	—	—	—		75	55	45		20	10	16		0.31	
Ureter	237	—	—	—		19	21	21		66	59	51			
Multifocality [†]					—				0.12					0.68	
Solitary	512	—	—	—		72	57	58		35	31	32			
Multiple	173	—	—	—		22	19	8		51	38	35			
Preoperative urine cytology [†]					—				0.33					0.45	
Positive	290	—	—	—		51	34	37		69	50	49			
Negative	395	—	—	—		43	42	29		17	19	18			
Grade [†]					0.56				0.2					0.58	
Grade 1,2	399	56	39	33		69	49	40		40	37	36			
Grade 3	286	37	36	26		25	27	26		46	32	31			
Pathological T stage [§]					0.33				0.91					0.26	

PT1 or less	246	35	35	29		31	29	24		30	14	19	
PT2	172	26	19	9		30	18	14		20	26	10	
PT3 or more	267	32	21	21		33	29	28		36	29	38	
Status of surgical margins [†]					—				0.44				0.19
Positive	20	—	—	—		2	2	0		9	2	5	
Negative	665	—	—	—		92	74	66		77	67	62	
Surgical approach [†]					<0.001*				0.35				0.084
Open	72	23	5	3		11	5	4		6	11	4	
Laparoscopic	613	70	70	56		83	71	62		80	58	63	
Management of distal ureter [†]					0.031**				0.018***				0.19
Bladder cuff excision	598	87	67	47		87	60	60		78	58	54	
Pluck technique	87	6	8	12		7	16	6		8	11	13	
Adjuvant chemotherapies [†]					0.14				1				0.16
Present	96	6	12	7		15	12	11		17	6	10	
Absent	589	87	63	52		79	64	55		69	63	57	
BMI (kg/m ² , mean ± SD) [‡]	22.8±1.5	22.9±1.8	22.7±1.5	22.8±1.4	0.61	22.5±1.5	22.9±1.7	22.8±1.6	0.21	22.7±1.4	22.8±1.8	22.7±1.2	0.97

†† IC: intravesical chemotherapy.

*: Without IC vs Single-dose IC, P=0.002. Without IC vs Long-term IC, P=0.002. Single-dose IC vs Long-term IC, P=0.7.

** : Without IC vs Single-dose IC, P=0.33. Without IC vs Long-term IC, P=0.01. Single-dose IC vs Long-term IC, P=0.15.

***: Without IC vs Single-dose IC, P=0.78. Without IC vs Long-term IC, P=0.013. Single-dose IC vs Long-term IC, P=0.063.

†: Chi-square test, partitions of the Chi-square method were used for multiple comparisons between groups.

‡: Analysis of variance (ANOVA), with equal variances assumed under Levene's test. The results are shown as the means ± SD.

§: Mann-Whitney U test.