

Supplement materials

Table S1. Expression statuses of selected genes in relation to primary tumor and nodal statuses

Parameter	Category	Case No.	Urothelial Cancer of upper urinary tract						Urothelial cancer of urinary bladder					
			Primary tumor status			Nodal metastasis			Primary tumor status			Nodal metastasis		
			pTa - pT1	pT2- pT4	p-value	N0	N1 - N2	p-value	pTa - pT1	pT2- pT4	p-value	N0	N1 - N2	p-value
CALD1	Low	25	18	7	0.023 *	23	2	1.000	12	13	0.145	21	4	0.684
	High	25	10	15		23	2		7	18		22	3	
SPOCK1	Low	25	19	6	0.004 *	25	0	0.037 *	14	11	0.009 *	24	1	0.042 *
	High	25	9	16		21	4		5	20		19	6	

* Statistically significant

Table S2. Univariate log-rank analyses for disease-specific and metastasis-free survivals in urothelial carcinoma

Parameter	Category	Case No.	Urothelial Cancer of upper urinary tract				Urothelial cancer of urinary bladder			
			Disease-specific survival		Metastasis-free survival		Disease-specific survival		Metastasis-free survival	
			No. of event	p-value	No. of event	p-value	No. of event	p-value	No. of event	p-value
CALD1	Low	25		0.3325	5	0.1299	3	0.2702	3	0.0912
	High	25	9		11		6		8	
SPOCK1	Low	25	1	0.0002 *	1	<0.0001 *	0	0.0017 *	0	0.0006 *
	High	25	14		15		9		11	

* Statistically significant