

Table S1 The 3-year survival rates of patients with upper tract urothelial carcinoma

Age category	Number of cases	3-year RFS (%) (95% CI)	3-year CSS (%) (95% CI)	3-year OS (%) (95% CI)
Total	847	71.7 (68.1–74.9)	82.3 (79.0–85.1)	77.9 (74.5–81.0)
Young	177	74.6 (66.9–80.9)	85.7 (78.5–90.6)	84.8 (77.5–89.9)
Intermediate	300	71.6 (65.5–76.8)	82.0 (76.3–86.5)	76.8 (70.7–81.7)
Elderly	312	71.0 (64.9–76.3)	80.3 (74.5–84.9)	76.7 (70.7–81.5)
Very elderly	58	64.7 (47.1–77.8)	83.3 (65.0–92.6)	69.7 (51.2–82.4)

Young: ≤64 years; intermediate: 65–74 years; elderly: 75–84 years; very elderly: ≥85 years. RFS, recurrence-free survival; CSS, cancer-specific survival; OS, overall survival; CI, confidence interval.

Table S2 Complication category and Clavien-Dindo classification

Category or classification	Young (n=177)	Intermediate (n=300)	Elderly (n=312)	Very elderly (n=58)
Complication category, n (%)				
Ileus	2 (1.13)	6 (2.00)	11 (3.53)	2 (3.45)
Wound infections	2 (1.13)	1 (0.33)	6 (1.92)	1 (1.72)
Urinary tract infection	2 (1.13)	2 (0.67)	2 (0.64)	1 (1.72)
Chylous leakage	1 (0.56)	1 (0.33)	2 (0.64)	0
Postoperative bleeding	0	0	2 (0.64)	0
Subcutaneous hematoma	0	2 (0.67)	2 (0.64)	1 (1.72)
Cardiovascular events	0	0	2 (0.64)	0
Pelvic abscess	0	1 (0.33)	0	0
Pneumonia	0	0	0	1 (1.72)
Pancreatic fistula	0	1 (0.33)	0	0
Atelectasis	0	0	1 (0.32)	0
Bladder leakage	0	1 (0.33)	0	0
Clavien-Dindo classification, n (%)				
I	2 (1.13)	4 (1.33)	6 (1.92)	1 (1.72)
II	4 (2.26)	9 (1.50)	16 (5.13)	5 (8.62)
IIIa	1 (0.56)	1 (0.33)	5 (1.60)	0
IIIb	0	1 (0.33)	0	0
IV	0	0	1 (0.32)	0
V	0	0	0	0
Total	7 (3.95)	15 (5.00)	28 (8.97)	6 (10.34)

Young: ≤64 years; intermediate: 65–74 years; elderly: 75–84 years; very elderly: ≥85 years.