

**Supplementary Table 1: Sub-analysis of patients operated between 2017 and 2023**

Characteristic, complication, or reintervention	Number of patients (%) or Median (IQR)	Days postoperatively, Median (IQR) ††
<b>Patient characteristics</b>		
<b>Number of patients</b>	33 (100)	-
<b>Gender *</b>		
Male	17 (52)	-
Female	16 (49)	-
<b>Age at surgery (years)</b>	55 (51-66)	-
<b>Preoperative Body Mass Index in (kg/m<sup>2</sup>)</b>	25 (23-28)	-
<b>Smoking status</b>		
Never	7 (21)	-
Active at surgery or prior use	26 (79)	-
<b>Overconsumption of alcohol</b>	4 (12)	-
<b>Preoperative CCI</b>		
CCI 0-1	1 (3)	-
CCI 2	19 (58)	-
CCI 3	8 (24)	-
CCI 4-6	5 (15)	-
<b>Preoperative ASA score</b>		
ASA 1	2 (6)	-
ASA 2	23 (69)	-
ASA 3	8 (24)	-
<b>Preoperative morbidity</b>		
Chronic hypertension	10 (30)	-
Diabetes mellitus	4 (12)	-
Chemotherapy	7 (26)	-
Prior pelvic radiation therapy	3 (9)	-
Prior abdominal surgery	8 (24)	-
<b>Preoperative eGFR (mL/min per 1.73m<sup>2</sup>)</b>	88 (76-97)	
<b>Preoperative CKD stage*</b>		
G1-G2 (eGFR $\geq$ 60 mL/min per 1.73m <sup>2</sup> )	30 (91)	-
G3a-G3b (eGFR 59-30 mL/min per 1.73m <sup>2</sup> )	3 (9)	-
<b>Indication for surgery</b>		
Urothelial cancer, highest pre-cystectomy T stage †		-
NMIBC (Ta, Tis, or T1)	18 (62)	-
MIBC ( $\geq$ T2 or Tx)	11 (38)	-
Benign or non-urothelial cancer ‡	4 (12)	-
<b>Highest post-operative urothelial pT stage †</b>		
NMIBC (Ta, Tis, or T1)	15 (52)	-
T2	9 (31)	-
$\geq$ T3 or any N+	5 (17)	-

<b>Length of index hospitalisation (days)</b>	9 (5-11)	-
<b>Functional outcomes and kidney function</b>		
<b>Surgical reinterventions</b>		
First reintervention	19 (58)	374 (199-629)
Second reintervention	6 (18)	330 (223-1395)
Third reintervention	2 (6)	412
<b>First succesfull CIC</b>	33 (100)	23 (22-42)
<b>Continence</b>		
Achieved 3h continence	30 (91)	185 (74-229)
Any leakage at 6 months §	16 (52)	-
Any leakage at 12 months ¶	10 (37)	-
<b>eGFR at last follow-up (mL/min per 1.73m<sup>2</sup>)</b>	82 (66-101)	-
<b>CKD stage at last follow-up</b>		
G1-G2 (eGFR $\geq$ 60 mL/min per 1.73m <sup>2</sup> )	27 (82)	-
G3a-G3b (eGFR 59-30 mL/min per 1.73m <sup>2</sup> )	6 (18)	-
<b>Late complications and reinterventions</b>		
<b>Clavien-Dindo 1</b>		
Pouch Calculi diagnosis	2 (6)	331
Incisional hernia diagnosis	1 (3)	1157
Parastomal hernia diagnosis	1 (3)	1775
Upper tract Calculi diagnosis	1 (3)	1775
Fistula to functional bowel	1 (3)	535
<b>Clavien-Dindo 2</b>		
Recurring UTI at 1 year	9 (30)	-
Recurring UTI at 5 years #	0 (0)	-
Cancer recurrence intervention † **	6 (21)	270 (169-625)
Vitamin B12 deficiency	3 (9)	359
Bicarbonate treatment	1 (3)	1540
<b>Clavien-Dindo 3a</b>		
Lymphocele	0 (0)	-
<b>Clavien-Dindo 3b</b>		
Revision of ileal segment	4 (12)	479 (232-1029)
Stomal Stenosis	5 (15)	398 (170-510)
Incisional and parastomal hernia intervention	6 (18)	581 (445-771)
Cancer recurrence intervention †	3 (10)	469
Nephrostomy	3 (9)	99
Bowel obstruction	2 (6)	553
Ureteral Stenting	3 (3)	335
Fistula to functioning bowel	1 (3)	233
Intervention of Calculi	2 (4)	354
Ureter-pouch anastomosis stenosis	0 (0)	-
Abscess	0 (0)	-
Removal of pouch	0 (0)	-
Removal of clips	1 (2)	366
<b>Total Complications</b>		

Zero	10 (30)	-
One	6 (18)	-
Two	8 (24)	-
Three or more	9 (27)	-

CCI = Charlson Comorbidity Index; ASA = American Society of Anaesthesiologist physical status classification system; CKD = Chronic Kidney Disease; eGFR = estimated glomerular filtration rate; NMIBC = Non-Muscle Invasive Bladder Cancer (Ta, Tis, or T1); MIBC = Muscle Invasive Bladder Cancer ( $\geq T2$  or Tx)

CIC = Clean Intermittent Catheterization; eGFR = estimated glomerular filtration rate; CKD = Chronic Kidney Disease  
 CIC = Clean Intermittent Catheterization; eGFR = estimated glomerular filtration rate; CKD = Chronic Kidney Disease  
 UTI = urinary tract infection

\* Due to Rounding

† Out of 29 patients

‡ Including vesico-vaginal fistula, interstitial cystitis, radiation cystitis, or melanoma

§ Out of 31 patients

¶ Out of 27 patients

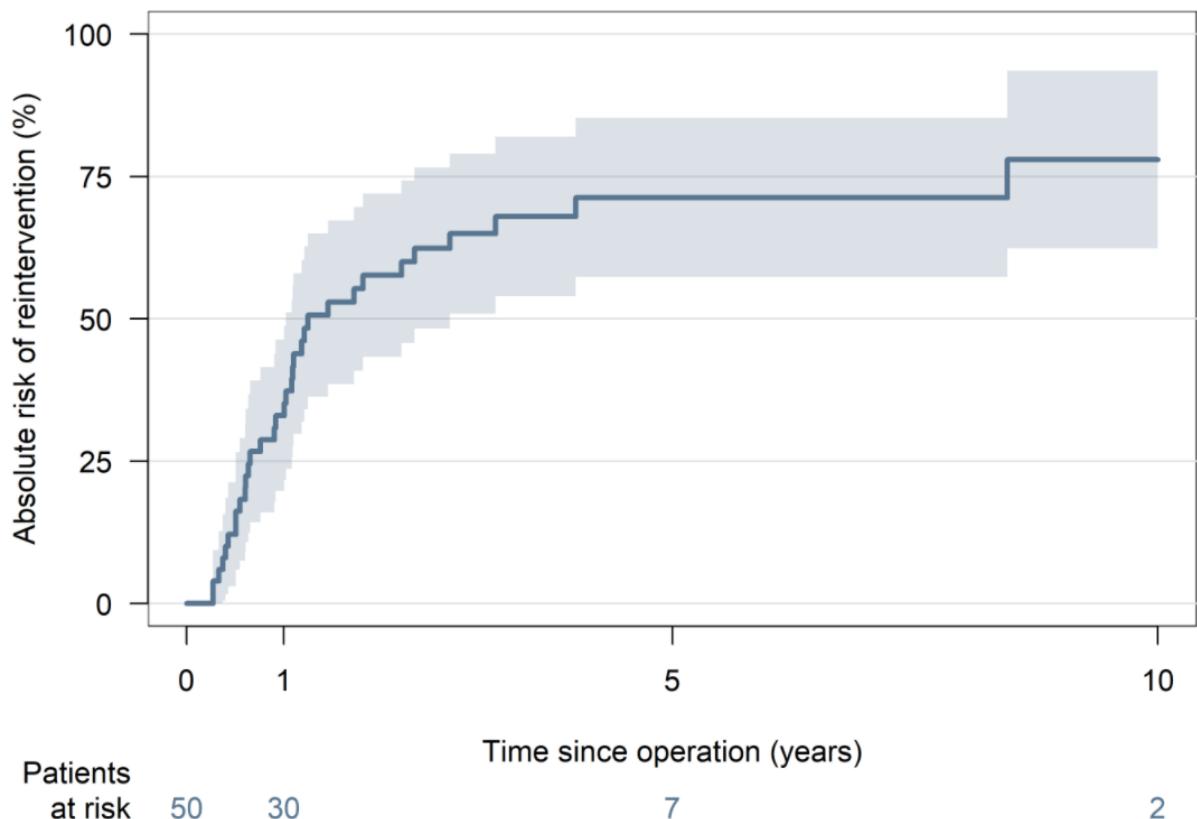
|| Out of 30 patients

# Out of 12 patients

\*\* Including chemo-, radiation- and immunotherapy

†† IQR only presented for variables with  $\geq 4$  observations

## Supplementary figure 1



Cumulative incidence of long-term surgical reintervention