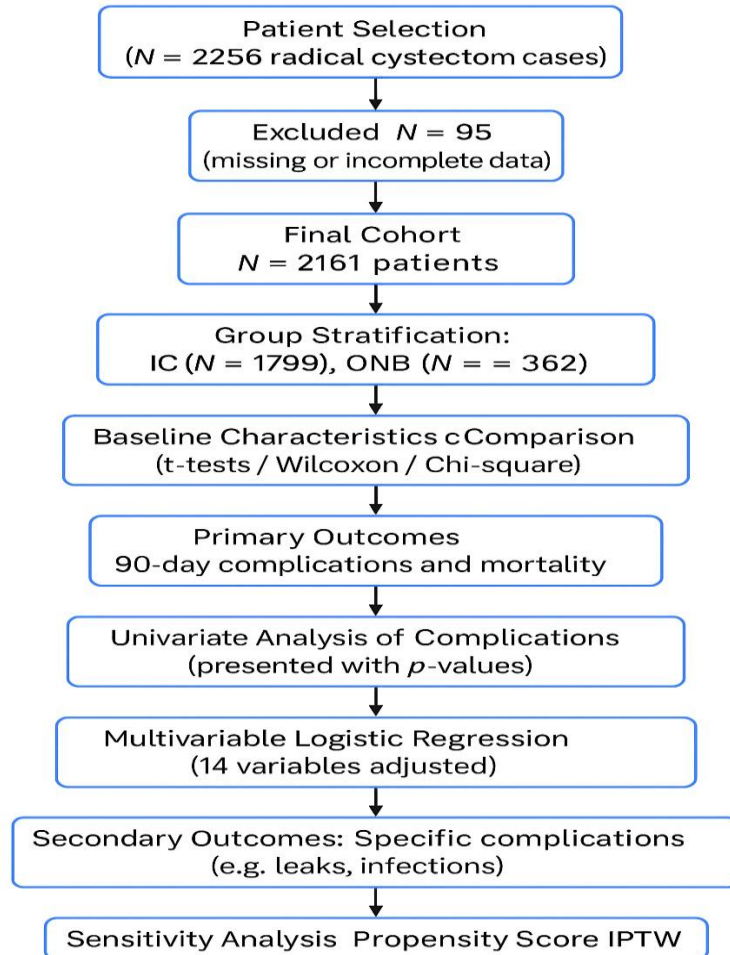


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**APPENDIX**

**Supplementary Figure 1.** Flowchart summarizing analytical approach of the study.



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<b>Supplementary Table 1. Clavien-Dindo grade for various complications stratified by diversion mode</b>						
<b>Complications</b>	<b>CDC</b>	<b>IC (n=1799)</b>	<b>ONB (n=362)</b>	<b>P</b>	<b>Univariable OR (95% CI)</b>	<b>P</b>
MI/DVT/PE/CVD	1-2	43 (2.4)	12 (3.3)		1.00	
	3-5	16 (0.9)	2 (0.6)	0.5*	2.23 (0.45-11.1)	0.3
	<b>Unknown</b>	25 (1.4)	8 (2.2)	0.3**	0.87 (0.31-2.42)	0.8
Wound infection	1-2	141 (7.8)	37 (10.2)		1.00	
	3-5	26 (1.4)	8 (2.2)	0.097*	0.38 (0.36-2.04)	0.7
	<b>Unknown</b>	74 (4.1)	35 (9.7)	0.13**	0.55 (0.33-0.94)	<b>0.033</b>
Facial dehiscence	1-2	14 (0.8)	2 (0.6)		1.00	
	3-5	25 (1.4)	10 (2.8)	0.3*	0.33 (0.06-1.73)	0.19
	<b>Unknown</b>	23 (1.3)	23 (6.4)	0.18**	0.77 (0.12-4.72)	0.8
Haemorrhage	1-2	10 (0.6)	3 (0.8)		1.00	
	3-5	10 (0.6)	0 (0)	0.07*	3.37 (0.99-Inf)	-
	<b>Unknown</b>	11 (0.6)	0 (0)	0.10**	-	-
Pneumonia	1-2	18 (1.0)	3 (0.8)		1.00	
	3-5	10 (0.6)	3 (0.8)	0.4*	0.54 (0.06-4.69)	0.6
	<b>Unknown</b>	17 (0.9)	1 (0.3)	0.5**	-	-
Delirium	1-2	30 (1.7)	4 (1.1)		1.00	
	3-5	3 (0.2)	0 (0)	0.7*	0.99 (0.98-1.01)	0.9
	<b>Unknown</b>	29 (1.6)	5 (1.4)	0.5**	-	-
Ileus	1-2	177 (9.8)	36 (9.9)		1.00	

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	3–5	29 (1.6)	3 (0.8)	0.3*	1.95 (0.56–6.76)	0.3
	<b>Unknown</b>	88 (4.9)	24 (6.6)	0.3**	0.77 (0.44–1.37)	0.4
Leakage	1–2	33 (1.8)	18 (5.0)		1.00	
	3–5	27 (1.5)	15 (4.1)	<b>0.004*</b>	3.31 (1.41–7.74)	0.006
	<b>Unknown</b>	27 (1.5)	14 (3.9)	<b>0.005**</b>	3.53 (1.49–8.38)	0.004
Lymphocele	1–2	16 (0.9)	8 (2.2)		1.00	
	3–5	6 (0.3)	5 (1.4)	0.8*	0.6 (0.14–2.58)	0.5
	<b>Unknown</b>	13 (0.7)	7 (1.9)	0.5**	0.93 (0.26–3.24)	>0.9
Failure/Weakness/Malnutrition	1–2	5 (0.3)	1 (0.3)		1.00	
	3–5	2 (0.1)	0 (0)	0.5*	0.98 (0.95–1.02)	0.6
	<b>Unknown</b>	3 (0.2)	2 (0.6)	0.5**	--	
Electrolyte-acid imbalance	1–2	13 (0.7)	1 (0.3)		1.00	
	3–5	1 (0.1)	0 (0)	0.12*	0.98 (0.94–1.00)	0.15
	<b>Unknown</b>	4 (0.2)	3 (0.8)	0.8**	–	–
Renal failure	1–2	18 (1.0)	4 (1.1)		1.00	
	3–5	7 (0.4)	2 (0.6)	>0.9*	0.78 (0.11–5.25)	0.8
	<b>Unknown</b>	10 (0.6)	2 (0.6)	0.8**	1.11 (0.17–7.17)	>0.9
Pain control	1–2	5 (0.3)	3 (0.8)		1.00	
	3–5	0 (0)	0 (0)	0.5*	1.01 (0.98–1.05)	>0.9
	<b>Unknown</b>	4 (0.2)	1 (0.3)	–	–	
Other	1–2	33 (1.8)	11 (3)		1.00	

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	3–5	9 (0.5)	1 (0.3)	0.6*	3.33 (0.34–26.4)	0.3
	<b>Unknown</b>	30 (1.7)	9 (2.5)	0.3**	1.11 (0.40–3.05)	0.8

\*Without unknown data. \*\*With unknown data.

<b>Supplementary Table 2. Comparison of ONB and IC complication rates according to age group</b>						
<b>Variable</b>	<b>&lt;70 years (n =1197)</b>			<b>70+ years (n=945)</b>		
	<b>OR</b>	<b>95% CI</b>	<b>p</b>	<b>OR</b>	<b>95% CI</b>	<b>p</b>
ONB	<b>1.73</b>	0.98 – 3.04	0.050	<b>2.42</b>	1.79 – 3.29	<0.001
Sex	1.16	0.84 – 1.60	0.363	1.16	0.85 – 1.58	0.358
Smoke	0.91	0.65 – 1.27	0.565	1.38	1.03 – 1.86	0.032
CCI	1.41	1.11 – 1.80	0.005	1.48	1.17 – 1.88	0.001
ASA	0.75	0.63 – 0.90	0.002	0.69	0.58 – 0.81	<0.001
Neo-Adj Tx	0.93	0.70 – 1.25	0.634	1.08	0.83 – 1.41	0.577

ASA: American Society of Anesthesiologists score; CCI: Charlson comorbidity index; CI: confidence interval; Neo-Adj Tx: neoadjuvant treatment; ONB: neo-bladder reconstructions; OR: odds ratio.