

APPENDIX

Supplementary Table 1. Comparison of patient baseline demographics between the retrospective cohort (2017–2022) vs. the prospective cohort (2023)					
Variable	Retrospective cohort	Prospective cohort	Statistical test	Statistic	p
Age at surgery (years)	73.8±8.6	74.1±8.3	Mann-Whitney U	186861.0	0.573
CCI score 0–2	19% (n=230)	22% (n=69)	Chi-squared	NA	0.840
CCI score 3–4	48% (n=584)	47% (n=145)	Chi-squared	NA	0.840
CCI score 5+	34% (n=413)	31% (n=96)	Chi-squared	NA	0.840
MUST score – low-risk	12% (n=125)	13% (n=27)	Chi-squared	NA	0.535
MUST score – medium-risk	5% (n=47)	3% (n=6)	Chi-squared	NA	0.535
MUST score – high-risk	83% (n=840)	84% (n=171)	Chi-squared	NA	0.535
ASA score – 1	3% (n=36)	4% (n=11)	Chi-squared	NA	0.002
ASA score – 2+3	95% (n=1089)	96% (n=286)	Chi-squared	NA	0.987
Prostate Volume (ml)	78.7±47.1	93.0±52.7	Mann-Whitney U	121374.0	0.000
Imaging modality – ultrasound	77% (n=766)	62% (n=163)	Chi-squared	NA	0.000
Imaging modality – MRI	10% (n=96)	27% (n=70)	Chi-squared	NA	0.000
Imaging modality – CT	14% (n=135)	11% (n=29)	Chi-squared	NA	0.000
Indwelling catheter	42% (n=483)	34% (n=105)	Chi-squared	NA	0.571
Surgery duration (minutes)	134.1±73.8	134.7±48.0	Mann-Whitney U	183272.0	0.344
Systolic BP during surgery (mmHg)	122.7±30.0	116.4±26.9	Mann-Whitney U	23207.5	0.071
Diastolic BP during surgery (mmHg)	71.1±15.7	70.9±15.8	Mann-Whitney U	21193.5	0.707
Hemoglobin before surgery (g/dL)	12.5±2.0	12.6±1.7	Mann-Whitney U	34477.0	0.951

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Platelet count before surgery (10 ⁶ /μL)	226.4±82.3	228.6±75.9	Mann-Whitney U	32729.5	0.456
INR before surgery	1.1±0.2	1.0±0.1	Mann-Whitney U	29562.0	0.001

Supplementary Table 2. Suggested criteria for high-risk patients requiring preoperative blood type and screen before endoscopic surgeries
Preoperative blood type and screen is recommended for patients meeting one or more of the following criteria: • Prostate volume ≥100 mL • Age ≥80 years • Hemoglobin ≤11 g/dL • Platelet count ≤100 × 10⁹/L • International normalized ratio (INR) ≥1.3 • Charlson comorbidity index >4