

Prostate Cancer Treatment Comparison

Treatment Comparative Data

Outcome Comparison: Surgery vs. Radiotherapy

Outcome	Radical Prostatectomy*	Radiation**
Survival duration compared to conservative disease management ¹	8.6 years	4.6 years
15-year prostate cancer survival rate ²	92%	87%
Survival rate for high-grade cancer patients ³	45% increase in overall survival rate vs. radiotherapy	-
Risk of cancer-specific death for high-grade cancer patients ⁴	49% less risk vs. radiotherapy	-
Cancer recurrence ⁵	Easy to detect	Difficult to detect
Risk of rectal cancer (Within 10 year follow-up) ⁶	5.1 out of 1000	10.0 out of 1000
Risk of bladder cancer ⁷	0.8% developed bladder cancer	1.3% developed bladder cancer
Bowel function impairment ⁸	-	Significantly greater vs. surgery
Disease-specific long-term quality of life ⁹	Stable	Unstable
Painful urination (at 18 month follow-up) ¹⁰	1% of patients	30% of patients
Long-term erectile dysfunction ¹¹	Lower risk	Higher risk

*Open surgery; comparable long-term data not yet available on *da Vinci*® Prostatectomy.

**External Beam Radiation Therapy (EBRT) unless otherwise noted in the citation.

References for previous slide

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Treatment Comparative Data

Prostatectomy Outcome Comparison:
da Vinci® vs. Open vs. Conventional Laparoscopy

Outcome	dVP	Open	Lap
Cancer control			
T2 margin status	4.5 ¹	5.9 ²	7.7 ³
Complications			
Estimated blood loss (EBL)	109 ml ⁴	1355 ml ⁵	380 ml ⁶
Length of stay (LOS)	1.2 days ⁴	3 days ⁵	2.5 days ¹³
Major	1.7% ⁴	6.7% ⁵	3.7% ⁶
Minor	3.7% ⁴	12.6% ⁵	14.6% ⁶
Urinary function			
3 month	92.9% ⁷	54% ⁸	62% ⁹
6 month	94.9% ⁷	80% ⁸	77% ⁹
12 month	97.4% ⁷	93% ⁸	83% ⁹
Sexual function			
12 month	86% ¹⁰	71% ¹¹	76% ¹²

References for previous slide

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