TITILE: da Vinci® Surgical Robotic System for Prostate Cancer: Clinical and Cost-Eff ectiveness

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RESEARCH QUESTION:

1. What is the clinical effectiveness of the da Vinci® surgical robotic system for prostate cancer surgery compared to traditional surgery?

2. What is the cost-effectiveness of the da Vinci® surgical robotic system for prostate cancer surgery compared to traditional surgery?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 3, 2008), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI, EuroScan, international HTA agencies, and a focused Internet search. Results include articles published between 2003 and September 2008, and are limited to English language publications only. Filters were applied to limit the retrieval to health technology assessments, systematic reviews, meta-analyses, economic studies, randomized controlled trials studies, other controlled clinical studies, and observational studies. Internet links are provided, where available.

RESULTS:

HTIS reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by economic evaluations, randomized controlled trials (RCTs), controlled clinical trials, and observational studies.

One health technology assessment, two systematic reviews and meta-analyses, four economic studies, and 21 observational studies were identified pertaining to the clinical and cost-effectiveness of the da Vinci® surgical robotic system for prostate cancer surgery. No relevant
RCTs or controlled clinical trials were identified. Additional information that may be of interest has been included in the Appendix.

Health technology assessments


Systematic reviews and meta-analyses


Economic analyses and cost information


Randomized controlled trials
No literature identified.

Controlled clinical trials
No literature identified.

Observational studies


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APPENDIX – FURTHER INFORMATION:

Observational studies


Review articles


Additional references

