Title: Greenlight Laser Surgery for Benign Prostatic Hypertrophy: Clinical and Cost-Effectiveness

Date: 24 January 2008

Research question:

1. What is the clinical effectiveness and what are the risks of the greenlight laser surgical technique compared to traditional transurethral resection for prostatic resection in patients with benign prostatic hypertrophy?

2. What is the cost-effectiveness of the greenlight laser surgical technique compared to traditional transurethral resection for prostatic resection in patients with benign prostatic hypertrophy?

Methods:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 4, 2007), 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 January 2003 and January 2008, and are limited to English language publications only. No filters were applied to limit the retrieval by study type. Internet links are provided, where available.

Results:

Health technology assessments


Disclaimer: The Health Technology Inquiry Service (HTIS) is an information service for those involved in planning and providing health care in Canada. HTIS responses are based on a limited literature search and are not comprehensive, systematic reviews. The intent is to provide a list of sources of the best evidence on the topic that CADTH could identify using all reasonable efforts within the time allowed. HTIS responses should be considered along with other types of information and health care considerations. The information included in this response is not intended to replace professional medical advice, nor should it be construed as a recommendation for or against the use of a particular health technology. Readers are also cautioned that a lack of good quality evidence does not necessarily mean a lack of effectiveness particularly in the case of new and emerging health technologies, for which little information can be found, but which may in future prove to be effective. While CADTH has taken care in the preparation of the report to ensure that its contents are accurate, complete and up to date, CADTH does not make any guarantee to that effect. CADTH is not liable for any loss or damages resulting from use of the information in the report.

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Systematic reviews and meta-analyses


Economic analyses and cost information


Randomized controlled trials


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Appendix – Further information:

Observational studies


Review articles


Additional references

