TITLE:  Ozone Biomedical Waste Management: Effectiveness and Standards

DATE:  18 September 2008

RESEARCH QUESTION:

1. What is the evidence for the effectiveness of ozone biomedical waste management for protection of public health?

2. Are there any standards or models to assess the effectiveness of ozone biomedical waste management?

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 health technology agencies, and a focused Internet search. Results include articles published between 2003 and September 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:

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 randomized controlled trials (RCTs), observational studies, and evidence-based guidelines.

Four observational studies were identified pertaining to the effectiveness and use of ozone biomedical waste management for protection of public health. No relevant health technology assessments, systematic reviews, RCTs, or evidence based guidelines were identified. One model was identified pertaining to assessing the effectiveness of ozone for the management of drinking water, but not for biomedical waste management. This model, and other information that may be of interest, has been included in the Appendix.
Health technology assessments
No literature identified.

Systematic reviews and meta-analyses
No literature identified.

Randomized controlled trials
No literature identified.

Observational studies


Guidelines and recommendations
No literature identified.

PREPARED BY:
Kristen Moulton, B.A., Research Assistant
Carolyn Spry, M.L.I.S., Information Specialist
Health Technology Inquiry Service
Email: htis@cadth.ca
Tel: 1-866-898-8439
APPENDIX – FURTHER INFORMATION:

Models


Observational studies


Guidelines and recommendations


Reviews


Additional references

