



Canadian Agency for
Drugs and Technologies
in Health

RAPID RESPONSE REPORT: SUMMARY OF ABSTRACTS



TITLE: Personal Protective Equipment for Antibiotic Resistant Organisms in Rehabilitation Facilities: Clinical Evidence and Guidelines

DATE: 24 June 2014

RESEARCH QUESTIONS

1. What is the clinical evidence regarding the use of personal protective equipment by adult patients with antibiotic resistant organisms in rehabilitation facilities?
2. What are the evidence-based guidelines regarding the use of personal protective equipment by adult patients with antibiotic resistant organisms in rehabilitation facilities?

KEY MESSAGE

No relevant literature was found regarding the use of personal protective equipment by adult patients with antibiotic resistant organisms in rehabilitation facilities.

METHODS

A focused search (with main concepts appearing in title, abstract or major subject heading) was conducted on key resources including PubMed, The Cochrane Library (2014, Issue 6), University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. No filters were applied to limit the retrieval by study type. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2004 and June 9, 2014. Internet links were provided, where available.

Disclaimer: The Rapid Response Service is an information service for those involved in planning and providing health care in Canada. Rapid 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. Rapid 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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RESULTS

No relevant health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, or evidence-based guidelines were identified regarding the use of personal protective equipment by adult patients with antibiotic resistant organisms in rehabilitation facilities.

One reference of potential interest is provided in the appendix.

OVERALL SUMMARY OF FINDINGS

No relevant literature was found regarding the use of personal protective equipment by adult patients with antibiotic resistant organisms in rehabilitation facilities; therefore, no summary can be provided.

REFERENCES SUMMARIZED

Health Technology Assessments

No literature identified.

Systematic Reviews and Meta-analyses

No literature identified.

Randomized Controlled Trials

No literature identified.

Non-Randomized Studies

No literature identified.

Guidelines and Recommendations

No literature identified.

PREPARED BY:

Canadian Agency for Drugs and Technologies in Health

Tel: 1-866-898-8439

www.cadth.ca

APPENDIX – FURTHER INFORMATION:

Non-Randomized Study – Infection Control in Hospital Setting

1. Dharmadhikari AS, Mphahlele M, Stoltz A, Venter K, Mathebula R, Masotla T, et al. Surgical face masks worn by patients with multidrug-resistant tuberculosis: impact on infectivity of air on a hospital ward. *Am J Respir Crit Care Med* [Internet]. 2012 May 15 [cited 2014 June 24];185(10):1104-9. Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3359891>
[PubMed: PM22323300](#)