Title: Interventions for the Management of Obesity in Patients with Cardiovascular Disease: Clinical and Cost Effectiveness and Guidelines

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Research questions:

1. What are the optimal interventions (pharmacologic and non-pharmacologic) for the management of obesity in patients with cardiovascular disease?

2. What is the cost effectiveness of interventions (pharmacologic and non-pharmacologic) for the management of obesity inpatients with cardiovascular disease?

3. What are the guidelines for the management of obesity in patients with cardiovascular disease?

Methods:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 2, 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 2005 and June 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:

The literature search identified two systematic reviews/meta-analyses, two economic studies, seven randomized controlled trials, and one guideline/recommendation. No health technology assessments were identified. Additional articles of interest are provided in the appendix.

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, and evidence-based guidelines.

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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Health technology assessments
No literature identified

Systematic reviews and meta-analyses


Economic analyses and cost information


Randomized controlled trials


Guidelines and recommendations

12. Klein S, Burke LE, Bray GA, Blair S, Allison DB, Pi-Sunyer X, Hong Y, Eckel RH. Clinical implications of obesity with specific focus on cardiovascular disease: a statement for professionals from the American Heart Association Council on Nutrition, Physical Activity, and Metabolism; endorsed by the American College of Cardiology. *Circulation* 2004 Nov 2;110(18):2952-67. Available: [http://circ.ahajournals.org/cgi/content/full/110/18/2952](http://circ.ahajournals.org/cgi/content/full/110/18/2952)


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Appendix – further information:

Observational studies


Review articles


Additional references
