TITLE: Dosing Guidelines for Pediatric Patients and Pregnant Women: Clinical Effectiveness, Safety, and Guidelines

DATE: 20 September 2011

RESEARCH QUESTIONS

1. What is the clinical effectiveness of the use of dosing guidelines for pediatric patients and pregnant women?

2. What is the clinical evidence regarding the safety of using dosing guidelines for pediatric patients and pregnant women?

3. What are the evidence-based guidelines regarding the use of dosing guidelines for pediatric patients and pregnant women?

KEY MESSAGE

Evidence identified regarding the clinical effectiveness and safety of using dosing guidelines for pediatric patients and pregnant women was inconsistent; therefore, no clear conclusions can be made.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library (2010, Issue 9), University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. Methodological filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, non-randomized studies containing safety data, and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2006 and September 14, 2011. Internet links were provided, where available.
RESULTS

Rapid Response 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, non-randomized studies, and evidence-based guidelines.

The literature search identified one randomized controlled trial and ten non-randomized studies regarding the clinical effectiveness and safety of the use of dosing guidelines for pediatric patients and pregnant women. No health technology assessments, systematic reviews, meta-analyses, or evidence-based guidelines and recommendations were identified. Additional literature of interest is located in the appendix.

Health Technology Assessments
No literature identified.

Systematic Reviews and Meta-analyses
No literature identified.

Randomized Controlled Trials


Non-Randomized Studies


Guidelines and Recommendations
No literature identified.

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APPENDIX – FURTHER INFORMATION:

Review Articles


Additional References