TITLE: Vitamin D Supplementation in Long-Term Care Residents: Clinical Evidence and Guidelines

DATE: 04 April 2013

RESEARCH QUESTIONS

1. What is the evidence for the clinical effectiveness of vitamin D supplementation for the prevention of falls and fractures in elderly patients residing in long-term care facilities?

2. What are the guidelines for dosing and frequency of vitamin D supplementation in elderly patients residing in long-term care facilities?

KEY MESSAGE

Three systematic reviews, two randomized controlled trials, and one non-randomized study were identified regarding the clinical effectiveness of vitamin D supplementation for the prevention of falls and fractures in elderly patients residing in long-term care facilities.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library (2013, Issue 2), 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 methodological filters were applied to limit retrieval. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between July 1, 2010 and March 27, 2013.

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.
Three systematic reviews, two randomized controlled trials, and one non-randomized study were identified regarding the clinical effectiveness of vitamin D supplementation for the prevention of falls and fractures in elderly patients residing in long-term care facilities. No relevant evidence-based guidelines were identified. Additional references of potential interest are provided in the appendix.

Health Technology Assessments
No literature identified.

Systematic Reviews and Meta-analyses


Randomized Controlled Trials


Non-Randomized Studies
Guidelines and Recommendations
No literature identified.

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APPENDIX – FURTHER INFORMATION:

Randomized Controlled Trials – not specific to Long-Term Care


Clinical Practice Guidelines – not specific to Long-Term Care


Review Articles


Additional References

