TITLE: Intra-Operative Use of Mechanical Intermittent Compression Devices in Adult Patients: Guidelines

DATE: 24 February 2010

RESEARCH QUESTION:

What are the evidence-based guidelines for the use of mechanical intermittent compression devices in adults during surgery?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 2, 2010), University of York Centre for Reviews and Dissemination (CRD) databases, ECRI, EuroScan, international health technology agencies, and a focused Internet search. The search was limited to English language articles published between 2005 and February 2010. Filters were applied to limit the retrieval to health technology assessments, systematic reviews, meta-analyses, and guidelines. Internet links were provided, where available.

RESULTS:

The literature search identified five evidence-based guidelines on the use of mechanical intermittent compression devices in adults during surgery. No health technology assessments, systematic reviews, or meta-analyses were identified. Additional articles of potential interest are included 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 evidence-based guidelines.

Health technology assessments
No literature identified
Systematic reviews and meta-analyses
No literature identified

Guidelines and recommendations


See: Section B. Mechanical Prophylaxis. p. 21


PubMed: PM17041751


See: Venous Thromboembolic (VTE) Prophylaxis: Guideline 14


See: Pneumatic Compression Devices (PCD)


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APPENDIX – FURTHER INFORMATION:

Review articles
