TITLE: Heparin in Total Parenteral Nutrition for Infants: Clinical-Effectiveness

DATE: 21 July 2009

RESEARCH QUESTIONS:

1. What is the clinical-effectiveness of adding heparin to total parenteral nutrition for neonates and infants to improve patency of the peripheral line?

2. What is the evidence for risk of thrombocytopenia from adding heparin to total parenteral nutrition for neonates and infants?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 3, 2009), 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 2004 and July 2009. No filters were applied to limit the retrieval by study type. Internet links were provided, where available.

RESULTS:

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 randomized controlled trials, controlled clinical trials, observational studies, and evidence-based guidelines.

One systematic review and was identified pertaining to the clinical-effectiveness and evidence for risk of thrombocytopenia when adding heparin to total parenteral nutrition for neonates and infants to improve patency of the peripheral line. No health technology assessments, randomized controlled trials, controlled clinical trials, observational studies, or evidence-based guidelines were identified. Additional information that may be of interest has been included in the appendix.

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Health technology assessments
No literature identified.

Systematic reviews and meta-analyses


Randomized controlled trials
No literature identified.

Controlled clinical trials
No literature identified.

Observational studies
No literature identified.

Guidelines and recommendations
No literature identified.

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APPENDIX – FURTHER INFORMATION:

Guidelines and recommendations

   Note: See page 4

Additional references