TITLE: Ibuprofen versus Indomethacin for the Closure of Patent Ductus Arteriosus in Neonates: Comparative Effectiveness

DATE: 09 September 2008

RESEARCH QUESTION:

What is the comparative effectiveness of ibuprofen versus indomethacin for the closure of patent ductus arteriosus in neonates?

METHODS:

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 3, 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 2003 and Sept 2008, and are not limited by language. No filters were applied to limit the retrieval by study type.

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 (RCTs) and observational studies.

Four systematic reviews, one meta-analysis, six RCTs, and seven observational studies were identified pertaining to the comparative effectiveness of ibuprofen versus indomethacin for the closure of patent ductus arteriosus in neonates. No relevant health technology assessments were identified. Additional information that may be of use has been included in the Appendix.

Health technology assessments

No literature identified.
Systematic reviews and meta-analyses


Randomized controlled trials


Observational studies


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APPENDIX – FURTHER INFORMATION:

Systematic reviews and meta-analyses- prophylaxis for PDA


Randomized controlled trials- prophylaxis for PDA


Review articles


Additional references