TITLE: Non-steroidal Anti-inflammatory Drugs for Pain: Comparative Clinical and Cost-Effectiveness

DATE: 23 July 2013

RESEARCH QUESTIONS

1. What is the comparative clinical effectiveness of non-steroidal anti-inflammatory drugs?

2. What is the cost-effectiveness of non-steroidal anti-inflammatory drugs for pain management?

KEY MESSAGE

One health technology assessment and 24 systematic reviews were identified regarding the comparative clinical effectiveness of non-steroidal anti-inflammatory drugs. Nineteen economic studies were identified regarding the cost-effectiveness of non-steroidal anti-inflammatory drugs for pain management.

METHODS

A focused search (with main concepts appearing in title or major subject heading) was conducted using key health technology assessment resources, including PubMed and The Cochrane Library (2013, Issue 6). A search of Canadian and major international health technology agencies, and a focused Internet search was also conducted. Methodological filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, and economic studies. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2003 and July 16, 2013. 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 economic evaluations.

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Health Technology Assessments


Systematic Reviews and Meta-analyses

General


Common Cold


Elbow Pain


Musculoskeletal Pain


Osteoarthritis


Dental Pain


Soft Tissue Injury


Dysmenorrhea and Endometriosis


Intrauterine Devices


Back Pain


Chronic Pain


Cancer Pain


Post-Operative Pain


NSAID Clinical and Cost-effectiveness

PubMed: PM16235379
Acute Pain

PubMed: PM15147585

Economic Evaluations

Arthritis

PubMed: PM22260652

PubMed: PM23451446

PubMed: PM21062104

PubMed: PM19366498

PubMed: PM19602530

PubMed: PM18194404

PubMed: PM19014495


Knee Pain


Post-Operative Pain


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