Systematic Review

The effectiveness of Audit and Feedback in Obstetrics

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Training Course in Reproductive Health Research
WHO 2008
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• Several researches in obstetrics (Millennium Development Goals)
• Harmful or not beneficial treatment despite evidence
• Delay in changing practice
  • Time to read
  • Access
  • How to search?
  • Need for recommendations
  • Guidelines
Background

• Strategies of implementation of evidence-based practices (multifaceted strategies)

• Audit and Feedback (cycle)
Background

• Chaillet et al, 2006 – Evidence-based strategies for implementing guidelines in obstetrics.

• Chaillet et al, 2007 – cesarean section
Objectives

Is Audit and Feedback effective to change practice in obstetrics?

1. To analyze the effectiveness of audit and feedback regarding each target outcome compared with no audit and feedback or another strategy of implementation.

2. To identify the barriers faced during the implementation of audit and feedback for each target outcome.
Selection Criteria

Types of Studies
- Cluster, randomized and quasi-randomized controlled trials
- Controlled before and after studies and interrupter time series studies

Participants
- Facilities where “audit and feedback” has been performed as a strategy to implement practice in obstetrics

Interventions
- Audit and feedback X other strategy or none
Selection Criteria

Outcomes

• Effectiveness on behavior change for each target outcome:
  • Prevention actions
  • Management of labour and obstetric complications
  • Procedures
  • Reduction on neonatal complications

• Barriers faced during the implementation
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Search Strategy

Databases

MEDLINE / PubMed, The Cochrane Library, EMBASE, Scielo

References lists

Specialists
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Methods

Selection of studies

PubMed, EMBASE, The Cochrane Library, Scielo
101

Excluded
68

Full articles retrieved
33

Excluded
25

Candidates selected
8

Specialist
1

Candidate selected for review of quality
12

References Lists
4

Excluded
1
Methods

Quality assessment

- Two reviewers
- The Cochrane Handbook for Systematic Review of Intervention
- Meta-analysis of these results for deriving common estimates will be performed if heterogeneity among studies is not significant
# Results

## Candidate Studies

<table>
<thead>
<tr>
<th>Study</th>
<th>Authors</th>
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<tbody>
<tr>
<td>Byaruhanga, 2000</td>
<td>Pattinson et al, 2006</td>
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<td>Costa et al., 2008</td>
<td>Taylor, 2000</td>
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<td>Dumont et al, 2005</td>
<td>Vincent et al, 2005</td>
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<td>Lombaard et al, 2005</td>
<td>Wittayawarawat et al, 2007</td>
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References


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Thank You!

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