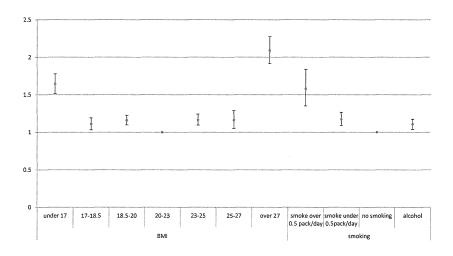
# Estimated Effects of other confounders



# Overall Summary of trends in Japan

# **Maternal Characteristics**

- Increase in twins
- older maternal age
- # of previous births/stillbirths play substantial role in shortening gestational length.

Mothers living in major cities are more likely to be older and nulliparous, but with lower risk of preterm birth

## **Scheduled Deliveries**

- Preterm & early term deliveries are more scheduled. Rate higher in major cities
- Full term births have become less likely to be scheduled. Rate similar for residence
- Preterm & early term pre-labor deliveries largely due to
  - medical urgencies
  - medical urgencies
     breech, multiple pregnancies
  - repeated cesarean section
- Breech mostly delivered by cesarean section before 39 weeks
- Multiple pregnancies mostly delivered before 39 weeks
- Repeated cesarean section mostly operated at early term
- PROM is a main reason for scheduled delivery at full term
- 50% of pre-labor delivery at full term may be elective

P1-073



# 1979年から2010年における日本全出生の 低出生体重児および早産増加の要因分析

大田えりか1)、米岡大輔1)2)、野内英樹3)、森臨太郎1)

成育医療研究センター研究所政策科学部<sup>1)</sup> 総合研究大学院大学 複合科学研究科<sup>2)</sup> 複十字病院3)

約30年間の我が国の人口動態調査・出生票を分析し、増加している低出生体重児と早産の経年 変化とその要因を明らかにした。高齢出産の低出生体重児出生のリスクは、近年減少しており、 差はなかった。早産に限ると、高齢出産は1.5倍リスクは高いが、減少傾向であった。これは、 20代での早産および低出生体重児出生が増加している影響と考えられる。地方と都市部での差 はみられなかった。今後は、若い世代の低出生体重児出生予防の対策が課題となる。

- 近年、先進国で低出生体重児が増加しているのは日本だけであるが いつから増加してきたのか、地域差があるのか、早産が増えている のかなど原因を分析することで今後の予防政策を立案するための重

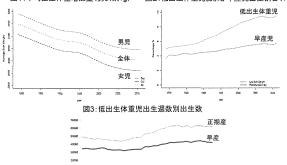
## 目的

- 1. 1979年から2010年の人口動態調査・出生票を用いて新生児平均体
- 重の経年変化を明らかにする。 2. 近年増加する低出生体重児・早産の増加の経年推移とその要因およ び地域差があるかどうかを分析する。

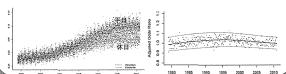
人口動態調査の出生票から、単胎で出生した低出生体重児(出生体重が 2500g未満)の割合、早産(出生週数が37週未満)の割合、初経産、 母親年齢、児性別、出生体重、出生時妊娠週数、出生曜日、出生地域 (都市部1,地方0) などの変数を抽出し、ロジスティック回帰にて要

統計はR(ver:3.0.2)とデータ加工時の使用言語はpython, SQL, AWKを 使用した。

図1:平均出生体重增加量(男女別:g)



\* 2222222222222222222222222222222 図5:低出生体重児出生と地方・都市部 図4:出生曜日別出生割合:低出生体重児



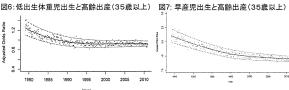


表1:母親年齢別の低出生体重児体重別割合表2:母親年齢別の低出生体重児週数別割合

L	ים נינל וומ דד שעה	120 mm 177		E/13 D3 L1	202		- Fib You on 162	山工作無儿	VET NY 111 D.1
1979年	0.5%未满	1 弥《朱満	1.5kg未満	2.5kg來滿		19794	37遊朱漢	37~42選未漢	42週以降
1988	0.00%	0.12%	0.55%	7,63%		"19線	43.36%	53.95%	2.69%
20~24	0.00%	0.06%	0.28%	4.92%		20-24	37.15%	60.75%	2.10%
25~29	0.00%	0.06%	0.25%	4.05%		25-29	39.21%	59.65%	1.94%
30-34	0.00%	0.09%	0.36%	4.36%		30~34	44,79%	53,52%	1.69%
35~39	9.61%	0.17%	0.715	7.125		35~39	47,47%	50.57%	1.96%
40"	0.01%	0.29%	1.10%	10.175		40~	52.92%	45.05%	2.04%
1990\$	O5kg朱瀛	1.0%医未満	1.5%(米満	2.5kg涨满		1990#	37遊未漢	37-42週末漢	42遊以降
19膜	0.01%	0.25%	0.775	8.38%		~19線	44.13%	54.85%	1.02%
20-24	0.00%	0.16%	0.45%	6.31%		20-24	37.07%	62.42%	0.51%
25-29	0.00%	0.12%	0.35%	5,335		25-29	37,14%	62.35%	0.51%
30-34	0.01%	0,16%	0.44%	5.06%		30-34	41.27%	58.335	0.40%
35-39	0.01%	0.28%	0.76%	6.76%		35-39	49.50%	50.13%	0.375
40"	0.02%	0.54%	1.36%	10.01%		40	50.11%	43.115	0.77%
2010年	0.Skg未満	1.0kg未満	1.5kg朱滿	2.5kg朱濱		2010年	37週未満	37~42週未満	42選以降
19歳	0.04%	0.43%	0.85%	9,93%		*19.膜	40.18%	59.75%	0.67%
20-24	0.015	0.23%	0.55%	8.04%		20-24	33.24%	66.69%	0.06%
25-29	0.02%	0.19%	0.44%	7.73%		25-29	33.33%	66.63%	0.04%
30~34	0.02%	0.23%	0.54%	8.09%		30-34	35.23%	64.73%	0.04%
35~39	0.03%	0.35%	0.82%	9,19%		35-39	39.33%	60.64%	0.03%
49°	0.06%	0.53%	1.41%	11.55%		40~	45.05%	54.88%	0.075

## 考察&結

- 平均出生体重は男女共に年々減少しており、低出生体重児、とくに早 産児が増加している。
- 2. 出生曜日の割合が1990年前後で逆転して増加しているのは、地域の クリニックから病院への転換、産科エコー機器の導入、NICU医療向 上などによる影響が考えられる。
- 3. 低出生体重児と早産児の地方と都市部での出生割合は差はない。
- 4. 低出生体重児出生と高齢出産は、1980年代は高い割合であったが、2010年以降は調整後のオッズは1に近くまで低下し、母体年齢との関連はみられなかった。これは、20代の低出生体重児出生割合が増加しているためと考えられる。
- 5. 早産と高齢出産は、1980 年代には2倍以上リスクが高かったが、2 010年には1.5倍まで低下している。若い世代のやせの増加が低出 生と早産に関連している可能性が考えられる。

本研究は、学術研究助成基金助成金若手研究B 「人口レベルの日本人在胎 週数別出生時体重基準値作成に関する研究」(課題番号24790612)の助成を

# 研究成果の刊行に関する一覧表

# 書籍

著者氏名	論文タイトル名	書籍全体の 編集者名	書	籍	名	出版社名	出版地	出版年	ページ
なし									

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Honda M, Kuriyama A, Noma H, Nunobe S & Furukawa TA	Hand-sewn versus mechanical esophagogastric anastomosis after esophagectomy: A systematic review and meta-analysis.	Annals of Surgery	257(2)	238-248	2013 Feb
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## Strategies of testing for syphilis during pregnancy (Protocol)

Shahrook S, Mori R, Ochirbat T, Gomi H



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## Strategies of testing for syphilis during pregnancy

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Editorial group: Cochrane Pregnancy and Childbirth Group. Publication status and date: New, published in Issue 2, 2013.

Citation: Shabrook S, Mori R. Ochirbar T, Gomi H. Strategies of testing for syphilis during pregnancy. Cocinate Database of Systematic Resisters 2013, Issue 2, Art. No.: CD010385. DOI: 10.1002/14651858.CD010385.

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## ABSTRACT

scal for a review and there is no abstract. The objectives are as folio To assess the effectiveness of maternal syphilis screening strategies.

Spyblik is a poemislily fazla, sexually transmitted disease (STD)
state can be transmitted to the fettus of a pregnant woman infected
with spyblik. Though preventable, felolike, each yar about two
million pregnant women become infected with spyblik in the major
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check-up (LINICEE 2002), WH (O 2607). Yes, for decades, in apite of the existence of an antennal screening polley in the majority of the constructs, policy implementation is replicably that the majority of the construction of

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for monitoring the preclacue of sexually transmitted infections (Verling 2094). Non-treposemal term such as RPR can be performed as local laboratory but one of the trujor limitations is that RPR can be performed as local laboratory but one of the trujor limitations is that RPR can no be carried out on whole blood. Conversely, confirmance as warry such as ELAs, although sortiut to obtain prevalence are and surrediment feets, are susually available only as reference or large regional blooguase from the section of the proposed of of the

How the Intervention might work
Prevention ascera lie in the early detection of sphilis in pregnant women and prompt treatment management before the second etimente (WFIC 2810). As treatmented by the WFIC, all
pregnant-rooms about undergo ancensual sphiline zerosing centre
programs to the second and the second contract of the second contr

## Why it is important to do this review

Evidence on the effectiveness of screening strategies for the detection and treatment of maternal sphillis is scarce from anndomixed controlled; trials, and most of the knowledge is derived from one observational studies. Moreover, earlier reviews of sphillis screening

• Perinaral mortality

rypes or studies.

Radominet finishindu and chustered controlled trials comparing different spydillar screening amengie during routine antende check-up will be sought. The unit of amountaintox mult be clinter instituted pregnant women or any formal healthcare for clinice c.g. health posteriliers. Studies that have been presented only as abstracts will also be instuded indicating their appropriate sauce. Coses over that and quant-modomined experimental muly designs will be excluded.

Types of participants
The eligible participants will be either pregnant women or health-care facilities/clinics depending on the randomisation unit in each included trial.

Types of interventions We plan to examine the effectiveness of pyblils eating strategies offered to pregnant women attending routine amental check-up. We will compare available pybliks exemple gets return no exercising tents. However, if we find trials that investigate the ef-fect of combined accreting entegoes, i.e. sphilis and TH/NATDs screening, we will consider them for feations in the subsequent review, if the only difference lesswers the arms was that of sphilis accreting strategy.

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Coverage of different screening tests for the descession and searching other resources
 We will check the studies cited in elevant review stricles. We will not apply any language restrictions.

- Secondary outcomes

   Incidence of congenital syphilis

   Incidence of HIV/AIDs in pregnant women and neonates

   Any other adverse outcomes reported in the included
  studies will be summarised

Mothers

• Antenutal hospital admission

Special cure/intensive care admission

## Search methods for identification of studies

Electronic searches

We will contact the Trials Search Co-ordinator to search the Cochtane Prepansey and Childhirth Group's Trials Register in minimated by the Trials Search Co-ordinator and Childhirth Group's Trials Register in intending the Trial Search Co-ordinator and contains trials intending from:

In Cochtane Prepansey and Childhirth Group's Trials Register in intending the Cochtane Central Register of Controlled Trials (CRITTAL).

2. weelly searches of MEDINE:

3. weelly searches of MEDINE:

4. handsearches of 30 journals and the proceedings of major conferences.

5. weelly current waverans alters for a further 44 journals in monthly Bioched Central central search.

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Selection of studies. "Too review unbrine S Shabrook (SS) and R Mori (RMI) will independently areas all the potential ratifics identified from the search methods to the critical ratification in the review. Two review unbrows will obtain the full test of all eligible retails identified by a least one author, and independently review the full tops for eligibility W will around the result of the results of the original analists if we need further eligibilities for indushous. Well results are large for industrial to the results of the results

Data extraction and management
Data will be extracted using a specified form. For eligible mulici,
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agented form. We will resolve discrepancies through discussion on, if
required, we will consult an abstract. We will never data into Review
Manager software (Environ 2011) and check for accuracy,
When information regarding any of the above it unclean, we will
accurage or contact and hors of the onlighted reports to provide further
details.

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(2) Allocation concealment (checking for possible selection bits)

We will describe for each included may the method used to conceal discussion in interventions prior to assignment and will assess whether interventions allocation could have been foreseen in advances of, or chaining reminence, or chaining after assignment. We will asses the methods as:

We will asses the methods as an advanced or control andonastion; concecutively municipated saidel oppuse reveloped;

I high risk of bits (open undons allocations unstaled or non-oppuse revelopes, the termination date of birth);

• under risk of bits.

(3) Selective resporting (checking for resporting bits)

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(3.2) Blinding of outcome assessment (checking for possible detection bias)

We will describe for each included study the methods used, if any; to blind outcome assessor from knowledge of which intervention a participant receive. We will assess influedge separately for different outcomes or classes of outcomes.

We will assess influed used to blind outcome assessment as:

• low, high or unclear risk of bias.

(f) Incomplete outcome data (checking for possible attrible) has due to the surround. In accurate and handling of incomplete but the surround and the complete outcome data).

We will describe for each included unuly, and for each concessor of case of outcomes, the completeness of data including artitions or class of outcomes, the completeness of data including artitions and each interpretational for the management of the completeness of the six belowing artitions and each interpretational for the management of the completeness of the comple

(4) Other bials (checking for bias due to problems not covered by (1) to (3) above the covered by (1) to (3) above the covered by (1) to (3) above the covered by the will describe for chinduded usuly any important concerns we have about other possible sources of bias. We will assess which each usuly use face of adher problems that could put it at risk of bias:

I have had of other bias:

I have had of other bias:

I have had of other bias:

I window whether there is risk of other bias.

(7) Overan rise of bias.
We will make explicit judgements about whether studies are at high eigh of bias, seconding or the criteria given in the Hundhugh (Higgin 2011). With reference (e) 10; 60 above, we will assess the likely magnitude and direction of the bias and whether we consider it is likely on impact on the findings. We will explore the impact of the level of bias through underraking semitivity analyses. see Southistivity analysis.

Dichotomous data.

For dichotomous data, we will present results as summary risk ratio with 95% confidence intervals.

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For continuous data, we will use the mean difference if ourcomes are measured in the same way between trials. We will use the standardised mean difference to combine trials that measure the same outcome, but use different methods.

Custer-andomised trials We will include cluster-andomised trials in the analyses along with individually anadomised trials. To take account of design offers, we will adjust their sample time using the methods described in the Handbard trials are entitled to the cluster of the control of the Handbard trials are entitled to the cluster conclusion excellent of the CO derived from the trial of possible, from a similar trial trial control of the control of

## Trials with more than two treatment groups

## Dealing with missing data

For included studies, we will note levels of attrition. We will explore the impact of including studies with high levels of missing data in the overall assessment of treatment effect by using sensitivity

in the overall assessment of teatment effect by using sensitivity, analysis. For all outcomes, we will earny out analyses, as far as possible, on an intention-to-treat basis, i.e. we will attempt to include all participatus anadomised to each group in the analyses, and all participatus will be analysed in the group to which they were allocated, regardless of whether or not they received the allocated intervention. The decomination for each amount in each trull will be the number anadomised finance any participatus whose concerns are known to be missing.

We will assess statistical heterogeneity in each meta-analysis using the TP, IP and Chil' statistics. We will regard heterogeneity as substantial if IP is greater than 30% and either TP is greater than zero, or there is a low P value (less than 0.10) in the Chi<sup>2</sup> test for

## Assessment of reporting biases

Affects are 10 or more suches in the meta-analysis we will investigate reporting biases (such as publication bias) using funnel plots. We will assess funnel plot asymmetry visually. If asymmetry is suggested by a visual assessment, we will perform exploratory analyses to investigate it.

Trials with more than two treatment groups

If rails with more than two groups (multi-arm studies) are identified, groups will be considered to generate a single principate companion (Trials and the state of the principate of the control group or the threat by row or more study arms, the counted groups at shared by row or more study arms, the counted groups are the number of reternant adoption, exceptive will be discleded to world double counting the same mean and anathed dovisition to write disclede the next study are the same mean and anathed dovisition to write disclede the next study are the same mean and anathed dovisition to write disclede the next study are the same mean and stand dovisition to write disclede the next study are the same mean and stand dovisition to write disclede the next study are the same through the

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## Interventions for improving outcomes for pregnant women who have experienced genital cutting (Review)

Balogun OO, Hirayama F, Wariki WMV, Koyanagi A, Mori R



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## WILEY

Interventions for improving outcomes for pregnant women who have experienced genital cutting (Review)
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Interventions for improving outcomes for pregnant women who have experienced genital cutting (Review)
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## ervention Review)

## Interventions for improving outcomes for pregnant women who have experienced genital cutting

Olukunmi O Balogun<sup>1</sup>, Fumi Hirayama<sup>2</sup>, Windy MV Wariki<sup>3</sup>, Ai Koyanagi<sup>2</sup>, Rintaro Mori<sup>4</sup>

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Isotopymous Pernale genial cutting (FGC) refers to all procedures that involve the partial or total removal of the external female genitidities, or other injury to the female genial organs for cultural or other non-therapeutic reasons. There are no known medical benefits to FCC, and it can be potentially disregious for the health and psychological widther being of women, and gifts who are subjected to the practice resulting in abort- and long-term complications. Health psychological distress. Letting of women are maternal and executable models and the control of the psychological distress. Letting psychological distress. Letting psychological distress. Letting psychological distress. Letting ordicinal equilidations for earling the waters the base undergoon genital caution, interventions could provide bolicitic circ that is culturally sensitive and non-judgmental to improve outcome and overall quality of life in sources. This review focuses on key interventions carried out to improve outcome and overall quality of life in preguent women who lave undergoon FGC.

To evaluate the impact of interventions to improve all outcomes in pregnant women or women planning a pregnancy who have undergone genital cutting. The comparison group consisted of those who have undergone FGC but have not received any intervention. Search methods

We searched the Cochrane Pregnancy and Childbirth Group's Trials Register (3) December 2012) and organisations engaged in projects regarding FGC.

Randomised controlled trials (RCTs), cluster-randomised trials or quasi-RCTs with reported data comparing intervention outcomes among preparat women or women planning a programery who have undergone genital cutting compared with those who did not receive any intervention.

Interventions for improving outcomes for pregnant women who have experienced geniral cutting (Review)
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## Main results

There are no included studies.

FGC research has focused mainly on observational studies to describe the social and cultural concerc of the practice, and we found no intervation trials conducted to improve occurations for pregnant women presenting with complications of FGC. While RCTs will provide the most etablise evidence on the effectiveness of increvation, there remains the insee of what is considered chically appropriate and the willingness of women to undergo randomination on an insee that is emueshed in cultural traditions and beliefs. Consequently, conducting must as many might be difficult.

## PLAIN LANGUAGE SUMMARY

## Care for pregnant women who have experienced genital cutting

Cate for pregnate women to where experienced general chains; Fermiler genital custing (FGC) also known as femiler genital mutualision (FCM) or femule circumcision is when some or all of a worman's or gift external genital organs are cur or duranged for coltunal beliefs, or reasons one connected with medical reasons, it is often performed by traditional practiciours seed as ratitional birth are mendatus without any foron of assentacious a malegias using season in the contraction of the contraction of the contraction without any contraction of the contract

Care offered to these women may include 1) surgery to widen the vaginal opening (deinfibulation), 2) curting the perincum during birch to widen the outlet to help the buly to be born (episionomy). 3) removal of synt and 4) treatment of infections. Women and their partners may also benefit from consulting to enable them to replore and understand the problems caused by FGC. This may also belp them make informed decisions about the care they might receive.

We looked for randomised controlled relak to find our what night work best for women. However, we did not find any stodies for inclusion in this review. So, there remains the problem of low best to care for pregnant women and women planning a pregnancy in these circumstances. This are mergintly needed, although conducting noth audies might be difficult. In the assentine, caregivers will do their best to look after these women during pregnancy and childhirth.

## BACKGROUND

BACKGROUND

Werdforder, an estimated 100 to 140 million gith and women have undergone femiling point of cruing (FCC) and more than three million gith as et a risk for FCC each grown to the African continent and Cell-done). So, Several other terminologies including female genital maritation (FCGA), female cell-countient (FCGA), female

20%), North America (Siessyn 11%); Americals and New Zealand (Urs-Billing 20%). The percelative of FGG among women of reproductive age on the at high a 88% as for example in Somula (Ordo-2008).

The reason for FGC include a miss of cultural and social fastors which pencing fullings and communifies. FGG information of the control fastors which pencing fullings and communifies. FGG information and proper her for adultural and anternating Challens 15% (FGG information). The reason for FGC include a miss of cultural and social fastors which pencing fullings and communifies. FGG information 20%, or the social fastors which pencing fullings and communifies. FGG information 20%, or the social fastors which pencing full products are present or FGG could be soundly as the control of the production of t

Secription of the condition

For Giphon, some societies claim that it is a religious requirement

Chilamera 2007; De High 1975; 13 (179), while earlier solder significant conting enhances fertility and child nurrival Citures 2007).

FOG. is often professed, by trailinearly particlesses such as tradisonal Brish attendants (A)-Hassini 2003; A clean-Celemony

2005; Carlman 2007; Diric 1919; 16 (2005). 2001; Timera 2007;

while our any form of australistic are analysis (A)-Hassini 2003;

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A the sine of carring, the women austly experience cuttered and infections, forumons of cytex, vaginal elamental or analysis and infections, forumons of cytex, vaginal elamental or analysis and infections, forumons of experimental and infections (T) (2014). Adoption 2010, Langerton complete and analysis (A)-Hassini 2004;

while our analysis (

Interventions for Improving outcomes for pregnant women who have experienced genital cutting (Review) Copyright © 2013 The Cechrane Collaboration, Published by John Wiley & Sons, Ltd.

2093), and treatment of infections (WE1O 2001) as well as counterfluid to the state of the state

How the Intervention might work bluef good disabiling infeitness for caring for preguant women who have undergone guital cutting, interventious would provide hollicitic care that it is fournilly principle and non-judgmental to improve preguancy eucorons and the overall quality of life of women, interventious may help by decreasing the talk of principle laceration (Neuri 2905), reducing the risk of formation and neonatal mentally and modelskin, improving suifaction with appearance and sexual function (\*\*Pro 2006; \*\*Tabler 2003) and tremment of poor returnality and models officients.

## Why it is important to do this review

Why it is important to do this review
Although some reviews have examined the impact of various increventions designed to robush the presentions of FSC (Demand2007; Morehalt 2007), more has been carried out to asses the effectioness of interventions to improve the connect in awarent who
that arching to the key interventions carried out to improve outcome and overall quality of life in pregnant women who have undergone FSC.

Perinatal/neonatal mortality

Perinatal/neonatal mortality

## OBJECTIVES

To critically assess the impact of interventions to improve all our-comes in pregnant women or women planning a pregnancy who have undergone guital cutting. The comparison group consisted of those who have undergone female genital cutting but who have not received any intervention.

### METHODS

Criteria for considering studies for this review

Types of studies

Randomized consolled risk (RCT), cluster-andomized raises are selected as the reliance of the remaining and the reliance of the remaining and the reliance of the reliance of the remaining and the reliance of the reliance of the remaining and the reliance of the remaining and the remain

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types of interventions

We considered for inclusion studies with all inservention types inclusing, but not limited to:

- denifoliation.

- intervention of clusteric and gyrascological complications:

- treatment of infections:

- psychological or counselling and health education.

## Primary outcomes

- Secondary outcomes

   Medo of birth (seasarean section, operative vaginal birth, normal sugial, birth)

   Indictance of episionany

   Incidence of episionany

   Incidence of third and fourth degree perincal lacearious at
- ith

  Incidence of postpartum haemorrhage

  Incidence of urinary trace infections

  Incidence of perincal infections

  Incidence of reproductive trace or sexually transmitted

## Search methods for identification of studies

Electronic searches

We consuced the Titida Suarch Co-ordinator to sorth the
Coclaime Pregnancy and Childhirth Group's Titla Register (3)

The search retrieved no trial reports.

The Cochaime Pregnancy and Childhirth Group's Titlah Register

The Cochaime Pregnancy and Childhirth Group's Titlah Register The Cochrane Programey and Childbirth Group's Trials Register is maintained by the Trials Search Co-ordinator and contains trials identified from:

- dentified from:

  1. monthly searches of the Cochrane Central Register of Controlled Trials (CENTRAL);

  2. weekly searches of MEDLINE;

  3. weekly searches of EMBASE;

  4. handsearches of 30 journals and the proceedings of majoraters of the Controlled Trials and the proceedings of majoraters of the Controlled Trials and the proceedings of majoraters of the Controlled Trials and the proceedings of majoraters of the Controlled Trials and the proceedings of majoraters of the Controlled Trials and the Controlled T

4. Iundesenches of 36 journals and the proceedings of maper conferences.
5. weekly current sourcess aleres for a further 46 journal;
6. Weekly current sourcess aleres for a further 46 journal;
blus monthly Blooded Control could alere.
Details of the search strategies for CENTRAL, MEDLINE, and
EMBASE, the list of handsearched journal and enference proceedings, and the line of Journals terrieved via the current awareness service can be found in the "Specialized Replace" section widon the editorial information about the Continue Programs;
and Chol/thrist; Caroline alere Medical Chol/thrist; Caroline document of the processing of

## Description of studies

There were no randomised controlled trials (RCTs), cluster-randomised trials or quasi-RCTs identified from the search strategy.

## Risk of bias in included studies

ceausg, and the list of journals reviewed via the current awareness service can be found in the Specialized Register Section within the electronal Information about the Cachinari Preparative Constitution of the Cachinari Preparative Constitution of the Search of Section Constitution of the research of the register for each review using the topic interactive that Reyoneds.

Searching other resources

Repress producted by all levels of government, non-government and opposition of the Cachinari Preparative Constitution of the Inches of the Cachinary Section Constitution of the Inches Cachinary Section Cachinary

## AUTHORS' CONCLUSIONS

## Implications for practice

Although female genital cutting (FGC) research has focused mainly on observational studies to describe the social and cultural context of the practice, a few well-designed studies have described

interventions for improving outcomes for pregnant women who have experienced genital cutting (Review)
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## Implications for research

Implications for research
The manifolding of anadomied controlled rails (RCTs), closeter-anadomied rails or quasi-RCTs on interventions to improve
uncomer from ganifold-unitaginamong pregnancy arises the question of the appropriateness of
underlying appropriate present of the appropriateness of
underlying conducting research which this context. Nationationed controlled
vials provide the most relable velocities on the effectiveness of the
reventions, and it may be possible to conduction as RCT. Appending
Group's statistical Administration of Composition and the
Group's statistical Administration of Composition and Composi

the gruceological and observic requelate of genital curring including the control of the copic and research question additional. However, clinicians under the control of control of copic virginal observation and inferriting unserned and necessal mountaing and morbiding and including and control of the copic of the copic and the control of the contro

## REFERENCES

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Bruyn 1993

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Chikber R, El-Saleh E, El Harmi J, Female circumcision:
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## Hydralazine in infants with persistent hypoxemic respiratory failure (Review)

Kawaguchi A, Isayama T, Mori R, Minami H, Yang Y, Tamura M



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Hydrolazine in infants with persistent hypoxemic respiratory failure (Review)

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Hydralazine in infants with persistent hypoxemic respiratory failure (Review)

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# Hydralazine in infants with persistent hypoxemic respiratory

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Contact address: Atsuthi Kawaguchi, Pediatrics, Pediatric Critical Care Medicine, University of Alberta, Stollery Children's Hospital 3A3.06 Walter C MacKenzie Health Centre, 8440 112 St. Edmonton, Alberta, TGG 2B7, Canada, Euwagozhi/412@grafi com.

Editorial group: Cochrane Neonatal Group.
Publication status and date: New, published in Issue 2, 2013.
Review content assessed as up-to-date: 25 October 2012.

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Most deaths of infans with chronic long disease (CLD) are caused by respiratory failure, untermixing palmonary array hyperension (2041) with ore palmonals, or infection. Although the carea prevalence of PaH in infants with CLD to indoorwo. Infants with CLD and and everse PAII have a high parental pract. Despirationation, as penglementation, no penglemic interventional tables been arcalished as efficience in the treatment for PAH in prevanue infants with CLD. Link has been proven regarding the chief officease of vascolitators and concerns remain regarding after efficiency and concerns remain regarding after efficiency.

## Objectives

Search methods

We searched the Cochrane Central Register of Courselled Trials (CENTRAL, The Cochrane Library), MEDLINE via Publical and EMBASE, and other clinical trials registrics through November 2011 using the standard search strategy of the Cochrane Nosmal Review Group, We searched these databases using a attempt combining a variation of the Cochrane highly tensitive search strategy for identifying patientials draids in MEDLINE searchity-meanting version with telegrated MeSI and frever extreme hydralization, vascalistive agent, anothyperensive agent, learn diseases, long diseases, respiratory tract diseases, infant, and tandomixed controlled trial.

## Selection criteria

We considered only randomised controlled trials and quasi-randomised trials for inclusion. We included low birth weight (LBW) infants with pensistent hyporemic respiratory failure who were treated with any type of hydralatine therapy.

Two trains authors independently assessed trial quality according to pre-specified criteria.

Hydralazina is intants with persistent hypoxemic respiratory failure (Review)

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We found no studies meeting the criteria for inclusion in this review.

## Authors' conclusions

There wai insufficient evidence to determine the safety and efficacy of hydralazine in LBW infant with persistent hypoxemic respiratory failure. Since hydralazine is interpentive and potentially beneficial, candomized controlled trials are recommended. Such trials are provincially needed in settings where other medications such as silicentals, inhalsed stirric oxide (SNO), or extraorportal membrane oxygenation (ECAO) are non-stallable.

## PLAIN LANGUAGE SUMMARY

## Hydralazine for pulmonary hypertension in low birth weight infants with chronic lung disease

In permature infants, palmoustry arterial hyperension (PAH) associated with chosen in fant disease (CLD) is associated with high morality rets. With the exception of orgygen supplementation, no specific interventions have been coulduled as an efficient returnent for PAH in premature infants with CLD. Vasodilason could be effective returnents to reduce pulmonary arterial persuane, but linde has been proone regetifug their district effectiveness and concern remains regarding adverse effects. This review found no trial of the use of hydralazine for low birth weight infant with PAH rehead to CLD. However, since hydralazine is inexpensive and potentially benefacial, automated compiled that are recommended.

## BACKGROUND

## Description of the condition

# General definition of bronchopulmonary dysplasia and chronic lung disease

General definition of bronchopulmonary dysplatia and chronic lung disease

In 1967, Northway et ali firm described bronchopalmonary dysplatia (BPL) as recognizing and a second polarization of the polarizati

How the intervention might work
minis or num-in promise (right-numricular promote) were associated
with wome nurvial rates (Nicenai 2007, Nicley 2009).

Philomonay circulation in patients with BDI is abnormally responsive to oxygen and other pulmonary vanciditions (Nicenai
2007, Nicenai 2007). Specific institut about
edge regarding the risk and benefits long-term supplemental covgen beregy to consider of the canades remove for DMI and
order by the properties of the canades remove for DMI and
order by the promote of the canades remove for DMI and
OLYMPI and thereby decrare the risk of progrations to over pulmonate (Hallier) by the change of the properties of the control of the properties of the prope

Description of the intervention

Hydralizer is a vacidates used to man pricine with severe hydractions, pre-clampitatestampits, or channels horner fishers (Code) 2006 Marke (2007 Hum 1920 N Hallongs), many never drough have been developed for the treatment of hypertension, by-claudiants is still wholey due of in energous year divided are to find the control of the

## OBJECTIVES

Hydralazine in infants with persistent hypoxemic respiratory fallure (Review)
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confirmed PAH prior to study entry versus unconfirmed confirmed PAH prior to study entry versus unconfirmed PAH;
 duration of treatment with hydralazine (< 7 days versus ≥ 7 days);
 rouse of administration (oral, intramuscular, and

- dose of treatment with hydralazine (< 2 mg/kg/day versus ≥ 2 mg/kg/day).

## Criteria for considering studies for this review

## Types of studies

We considered randomised controlled trials (RCTs) (including cluster-randomised trials) and quasi-randomised trials for this re-view.

Types of participants
Infant with persistent hyposemic failure
Persistent hyposemic failure was defined as persistent need for
uppelmental supper and assisted ventilation at gener than one
work of a for say given causes except known congenical enducanounly. We included all the failures where except the hydridaine
treatment, whether on not they had confirmed PAH.

Types of interventions

The intervention of interest was any type of hydralatine therapy, including and administrations. By the including and administrations. We considered studies company with placebox or no treatment:

I. hydralatine company with placebox or no treatment:

I. hydralatine company with placebox or no treatment:

I. hydralatine company with the placebox or no treatment or placebox or not treatment or placebox or not treatment or placebox or processor with the placebox or combanion, and No.

We planned to include any done and duration of hydralatine therapy. The comparison interventions or orded to either single interventions or combination of therapies or any combination of therapies for PMH (e.g. hydralatine plus calcium blocker versus prostacycia).

Hydralazine in infants with persistent hypoxemic respiratory failure (Review)
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Primary outcomes

Survival at 36 weeks' PMA, in-hospital survival at hospital discharge, and at 18 and 36 months of age.

Secondary outcomes

1. Improvement rate of PAH compared before with any timing after the invervations improvement of PAH is delined as a strongly drapitation (TB) £ 25 m/s, or a diminished a strongly drapitation (TB) £ 25 m/s, or a diminished configuration, improved right vorticular hypertrophy (WH) and dilution if using eloconologopyth, and quitonessy arterial and dilution if using eloconologopyth, and quitonessy arterial pressure z 25 mintle fi asserted by cardiac entheretization.

2. Neurodevelopent (assens) to physics, (Giffith, or any other validated tools) asserted at adjusted ge of 18 months (Bdx, 1979).

- other validated soids assessed as adjusted age of 18 months (6162x) 1997).

  3. Irraph of Isospitalisation (days) after the britch.

  5. Irraph of averagination (days) after the britch.

  5. Irraph of averagination (days) after the britch.

  6. Irraph of averagination (days) after the britch.

  6. Irraph of averagination (days) after the britch.

  7. Adverse events, as other after the averagination (non-generation index, unrestablehedra reapper tation).

  7. Adverse events, such as here faluer, hypocension, reflex attackparsalin, semestiged indrages, immunosiogical necestions under adversaling a semestiged in larges, immunosiogical necestions under adversaling a semestiged in larges, immunosiogical necestions under adversaling a semestiged in the producer and a seminosiogical necestions under adversaling a seminosiogical necessity. We defined PMH using either exhocatiography or cardiocreterization, Using evhocation graphy and configuration, and fively with charmer distance (Tacket-1.2029).

  Full using earther californ (Tacket-1.2029).

  If using earther californ (Tacket-1.2029).

  If using earther californ (Tacket-1.2029).

# Search methods for identification of studies

Electronic searches

Electronic searches We used the standard strategy of the Co-hone | femanal Posice Courage no studies of in The Cocheme Library, We nurshed the Cochema Central Register of Commister Ortinis (CENTRAL). The Cocheme Library), MEDILINE via PubMed and EMBASE (1956 to November 2011), and other clinical rules who since which we consider the contract of the Cocheme Cocheme and the Cocheme Cocheme Cocheme (1956 to November Library) maximizing vertices (Prigna 2011) with satested Medil and freesex entern hydralantes so collator agent, sull'uppractive geant, leave diseases, long dis-cision contractive contractive contractive contractive season season and proportion of the Cocheme season season contractive contractive season contractive contractive season contractive seaso

trial quélication type; The MEDLINE search arrange translated into the other databases using the appropriate controlled weakinto the other databases using the appropriate controlled weaklarge applicable. We did not apply any planuage restration, we we see that the restrict to humans and clinical trails. We did a fareral search using the videor aircled in this tree dislowing questions. We planned to use the Tikis of bias' able, which addressed the 
factor data of the ference his of identified arrides and handsearch review. bibliographics of books, and characts. We crosschecked reference from featuristic arrians for possible additional 
vanishes. We contacted the original manufacturer of pollularies 
checked reference from featuristic arrians for expense and 
weakers. We contacted the original manufacturer of pollularies 
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We followed the methodology for data collection and analysis in the Cochrane Handbook of Systematic Reviews of Interventions (Higgins 2011).

Selection of studies

To neview authors (Annahi Karaspachi and Trasaya Jaspama) independently usused the eligibility of the risk. We detected rudies as heigh portraftly view but you receipt after it class and abstract. We obtained the full litera of the article for review when a decision could not be must be yearening the full enter the abstract. The row consists and the full treas of the article for review when a decision could not be must be yearening the full enter the abstract. The row review authors retrieved the full treas of all posteroiday relevant articles and independently assessed the eligibility for fulling our deligibility forms designed in accordance with the specified inclusion corrective. We must effective to connect the objection investigators for additional data and information when required.

Date extraction and management
We planned to extract the data sating a data extraction form that
was designed by the review authors. The review authors planned to
entere the data independently. We made efforts to contact undy
investigators for additional information or data. We planned to
enter data into Review Manager Software (RevMan 5.1) (PevMan
2011).

Assessment of risk of bias in included studies

We planned to use the sandard methods of The Cochrane Collaboration and its Nonana Review Cong Incental Activations (1) incomplete outcome data (checking for possible attrition continued and the continued heritage Congregation (1) included in the continued to the continued and adoptive the continued and adoptive distribution and adoptive distribution and adoptive distribution of bias using the following circuits decumented in the Cochrane Remarks of the studies for the continued fo

bias) Was the allocation sequence adequately generated? For each included unify, we planned to caregorier the method used to generate that allocation sequence as:

• low risk (any ruly tandom process, e.g., random number table; computer anothom number generated):

• under risk or

• ligh risk (any non-random process, e.g., add or even due of birth: hospital or disin record number).

- bias) Was allocation adequately concealed: For each included study, we plaumed no response the method used roo exceed the allocation asysteme; as to so this (e.g. tell-plause or central andoministion; conceasingly amounted, statled, apugue envelopes);
   under risks or high risk (eyes madma allocation; unusealed or non-opaque envelopes, alternation; dare of birth).

# (3) Blinding (checking for possible performance bias)

(J) Blinding (checking for possible performance bias) Was knowledge for lead-leared intervention as dequariely percented during the muly! At study entry! At the time of outcome assessment!

For each included study, we planned to categories the methods used to blind muly participants and personnel from knowledge of which interventions a participant received. We planned to ancea binding separately of different autocures on clases of outcomes.

In the contraction of t

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## low risk (< 20% missing data);

unclear risk; or
high risk (≥ 20% missing data).

(5) Selective reporting blas
Were reports of the study free of suggestion of selective outcome Were reports of the muly free of suggestion of selective outcome reporting?

We planned to attempt no contact study authors, asking them to proude finating entorme death, when we empected entoping based in the contract of the contract of

(6) Other sources of bias

Was the study apparently free of other problems that could pur it are a high rath of bias?

Was the study apparently free of other problems that could pur it are a high rath of the study of the study

(I<sup>2</sup> statistic > 50%). In addition, we also planned to perform all statistical analyses using RevMan 5.1 (PevMan 2011) and Stata version 9.2 for Windows Stata.

uara synthesis We planned to carry out statistical analysis using RevMan 5.1 (SecvOia, 2011). We also planned to use fore-of-free inverse variance mean-analysis for combining date, where trails were consisting the same intervention, and the trial/ populations and methods are judged subficiently similar. We planned to use facely control and the state of t

## RESULTS

## Description of studies

Results of the search

From an initial search of 1447 citations, three studies were extracted for further examination. All three were excluded from the
analysis (see "Characteristics of excluded studies" table below.

## Included studies None identified.

seegand without the first the suppose starty die No state darks with a state of which with the state of the s

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## Methods for administering subcutaneous heparin during pregnancy (Review)

Sasaki H, Yonemoto N, Hanada N, Mori R



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Methods for administering subcutaneous heparin during pregnancy (Review)
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There is no evidence from randomised controlled trials to evaluate the effectiveness and safety of different methods of administering subcutaneous heparin (UFH or LMWH) to pregnant women.

There is no evidence from randomised controlled trials to evaluate the best method of administering subcutaneous heparin to pregnant women.

Wenters.

Pregiant women have an increased risk of venous thromboentholium (VTE) when compared with non-pregnant women because of changes in blood clotting. VTE industes steep vein themshood (DVT) and pulmonary embolium (PE). DVT is a clot in the deep veins of the leg blooding bood from parse of the often prevents of the leg blooding bood from parse of the often prevents of the leg blooding bood from parse of the often prevents of the prevent

# Methods for administering subcutaneous heparin during

Hatoko Sasaki<sup>1</sup>, Naohiro Yonemoro<sup>2</sup>, Nobutsugu Hanada<sup>1</sup>, Rintato Mori<sup>1</sup>

<sup>1</sup>Department of Health Policy, National Center for Child Health and Development, Tokyo, Japan, <sup>2</sup>Department of Epidemiology and Biostatistics, Translational Medical Center, National Center of Neurology and Psychiatry, Kodaira, Japan

Contact address: Rimaro Mori, Department of Health Policy. National Center for Child Health and Development, 2-10-1 Okura, Sengaya. Tokyo, Tokyo, 157-8535. Japan. rimansmotif genetic.com.

Editorial group: Cochrane Pregnancy and Childbirth Group. Publication status and date: New, published in Issue 3, 2013. Review content assessed as up-to-date: 12 February 2013.

Citation: Sasaki H, Yonemoro N, Hanada N, Mori R. Methods for administering subcutaneous heparin during pregnancy. Corbrane Database of Systematic Reviews 2013. Issue 3. Art. No.: CD009136. DOI: 10.1002/14651858.CD009136.pub2.

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Peggiant women with a history of venous thromboembolism (VTE), antidromabin deficiency, or other trisk factors for VTE, need hepatin (unfactionated lequatin (UFH) or low-unlocular weight plenyth (LAWFH)) prophylatis, antidry through, administering parks unstrough a construction of the control of the LAWFH) prophylatis antidry through, administering parks under the control of the control of the Carlo of th

To compare the effectiveness and safety of different methods of administering subcuraneous hepatin (UFH or LMWH) to pregnant women. Search methods

## We scarched the Cochrane Pregnancy and Childbirth Group's Trials Register (51 January 2013) and reference lists of retrieved studies.

Selection criteria

All tandomined controlled trials (individual and clouser) comparing the effectiveness and takey of different methods of administering, subcustancess hepsins (UFH or LAWH) during pregganoy. Studies reported only as abstracts were eligible for inclusion and would have been placed in unuslas avaising assessment, pending the full publication of their results. Quasi-randomixed mutiles and cross-over trials were not eligible for inclusion.

Methods of administering subcutuneous heparin include interminent injections versus indevelling catheters or programmable (auto) external infinion pumps, or any other devices to faciliste the subcutaneous administration of heparin (UPH or LMWH) during programs;

If eligible trials had been identified, trial quality would have been assessed and data extracted, unblinded by review authors independently. Methods for administering subcutaneous heparin during pregnancy (Review)
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Authors' conclusions

PLAIN LANGUAGE SUMMARY

Methods for administering subcutaneous heparin during pregnancy

BACKGROUND

or acquired prediposition to thrombosis (Limes 2095; RCCG 2509). Other risk factors include medical comodicities (see, passed has factored with physiologic and amonis changes that iscreace the risk of versons thrombosis (Limes 2016). The remarks of the contract of the physiologic and amonis changes that iscreace the risk of versons thrombosis (Limes 2011). The remarks of the contract of the physiologic and amonis changes that is contracted with propagate (see 124 to 12

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Hegain compounds are the preferred anticogulanus in pregnancy (Justes 2011). Administering hepatin carrier the risk of sheed (Baser 2001). However, Justes 2007 reported that the rate of the contract of the

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The Dake purecol (Lone: 2005) reflects the investaing requirement for both SHF and LAWPH appropriate preparate SHF 1000 U and accountably per 12 hours from eight to 28 weeks, then 10,000 U and control per 12 hours from eight to 28 weeks, then 10,000 U and control per 12 hours from eight to 28 weeks, then 10,000 U and the state of the state o

Methods for administering subcutaneous beparin during pregnancy (Review)
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intering subcutaneous heparin (UFH or LMWH) in this high-risk Se of VTE group of pregnant women.

intring adecumeous heparin (UFH or LMWH) in this high-risk
of VTE group of pregnant women.

1. Martend data
1. Local and systemic bedring (harmorrhoge)
3. Pain
C black of the State of the

## METHODS

## Criteria for considering studies for this review

Types of studies We planned to include all randomised controlled trials (individ-ual and clustered) investigating methods for administering sub-cutaneous heptin (20FF to £MWF1) during programs; Studies reported only as abstracts were eligible for inclusion and would have been jaced in rusules awaining assessment, pending the full publication of their troults. Quasi-automised wurders and cross-over trials were not eligible for inclusion.

Women requiring hepatin (UFH or LMWH) during pregnancy. We excluded pregnant women under intensive care.

Types of interventions
Interminents injections venus indveiling culturen or programmable function purpose of interventions
Interminents injections venus indveiling culturen or programmable funcio entrail infinition pumps, or any other devices to califative the indvancation at the function of beporis (UPH or LMWH) during preguancy.

## Types of outcome measures

Women's satisfaction
 Incidence of VTE

## Search methods for identification of studies

Electronic searches
We consuzed the Tiths Search Co-ordinator to search the
Cachame Pregnancy and Childhirth Group's Titals Register (3)
January 2013,
The Cachrane Pregnancy and Childhirth Group's Titals Register
is manusared by the Titals Search Co-ordinator and consulan trials
identified from

identified from:

1. monthly searches of the Cochrane Central Register of
Controlled Trials (CENTRAL),

2. weekly searches of MEDLINE;

3. weekly searches of EMBASE;

4. handsearches of 50 journals and the proceedings of major conferences.

4. handsearches of 36 journaly, and the proceedings of major conferences;
5. weekly current awareness alers for a further 44 journals
5. weekly current awareness alers for a further 44 journals
bounds blooked Controll entail alers.
Details of the search suzuejes for CENTFAL, MEDLINE and
EMBARE. The list of handsearched journals and conference proceedings, and the list of Journals reviewed via the current awareness service can be found in the Typocial Register action within the colonial information about the Cachtrane Programery
and Children's Grown Children's Child

Searching other resources
We searched the reference lists of relevant studies. We did not apply any language restrictions.

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## Description of studies

See: Characteristics of excluded studies.

In search of the Cocheme Pregnancy and Childbirth Group.

Thisk Regular retrieved two reports relating to one rid that we subsequence received because the range was a randomised, multiple, conserver subject (Androna 11993). There are no included under in this review.

# There are no included studies in this review.

Effects of interventions

must are parameters and parameters a

Two review authors independently assessed the inclusion of the one potential study identified as a result of the search stranger. We recovered any disapprent through discussion. There are no included studies in othis review. The includes the contraction of the

same tulexutaneous inic (Markensin 1993). The risk of severa abverse preguancy outcomes is lower under the tunagement of heptain prophylaxis during pregnancy but persently other personal volumes are serious due to discontinuation of heptain prophylaxis. Therefore, hage trials would be required to demonstrate that effectiveness and addrey of different methods of administering subcutaneous heptain (UPH of LAWPI) during pregoustry is assured.

## Implications for practice

Implications for practice
There are no anomales descended exist that have shown the
effectioness and/or safety of different methods of statinisticing
includes the safety of different networks of statinisticing
includes anomales and the safety of different networks of statinisticing
includes anomales of the safety of the sa

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## Trained medical interpreters in a face-to-face clinical setting for patients with low proficiency in the local language (Protocol)

Tsuruta H, Karim D, Sawada T, Mori R



This is a reprint of a Cochrane protocol, prepared and maintained by The Cochrane Collaboration and published in *The Gochrane Library* 2013, Issue 3

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## Trained medical interpreters in a face-to-face clinical setting for patients with low proficiency in the local language

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Editorial group: Cochrane Consumers and Communication Group. Publication status and date: New, published in Issue 3, 2013.

Citation: Turuta H. Katim D. Sawuda T. Meri R. Thined medical interpreters in a fact-to-face clinical setting for potents with low preficiency in the local language. Curbane Database of Systematic Reviews 2013, Inste 3. Art. No.: CD010421. DOI: 10.1021/1661388. CD010421.

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This is the protocol for a review and there is no abstract. The objectives are as follows:

To assess the effects of trained medical interpreters in face-to-face clinical settings for parients with low proficiency in the local language

- the quality of communication between patient and provider (as a precondition for the utilisation of professional knowledge to provide quality health care);
- 2. the quality of health care, and health outcomes: and
- 3. the cost benefit, cost effectiveness and cost utility of interventions by trained medical interpreters.

BACKGROUND

face barriers to accessing appropriate health care due to poverty, narginal stanta, and/or limited access to social benefits (%71/O 2005; 150/H 2005; 150/H 2005). Although several studies have described mobility is a global phenomenon, with about 214 million peoples, 134 of the world's propulation, bring outside their country of birth (117, 3000; 150/H 2000) couldlenges brit the country of birth (117, 3000; 150/H 2000) couldlenges brit the country of origin, but countries, and the migrants demanded to the countries of origin, but countries, and the migrants demanded to the countries of origin, but countries, and the migrant semewhere (200, 301/H). Among these challenges in impact it health. Writes (200, 301/H), although the challenges in impact in the standard by the countries of single in the countries of s

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there exvices, and on guident braith arms as so outcome of verice again; These shades creat hospitalization, smalled crows and different production of the control of the c

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DASE Survez 2000); and the length of stay in hospitud (Estouper).

The connect in which interpretation rates place can shape in effect, became metal-ful interpretation in pactical indifferent survice serings and among different starger group. Our review will connected in surgicine and survice serings and among different starger group. Our review will connected in surgicine part of the interpretation panalogy in the Globroty responsed in studies indifferent survice enterprised resonanced above, can influence the interpretate concepture, interpretate visuaepoes, inte

or self-care, cannot be used as a supportion to the account interpretation.

• Medical conditions that require sexual/cultoral sensitivity: Some conditions such as reproductive illness, which are highly personal, call for sensitivity or sensitivity or sensitivity or sensitivity or sensitivity or sensitivity to sensitivity.

Why it is important to do this review
Although some bearens of language interpretation are quite obtions, there is no sparratic review of the factor of interpretation on the quality of the falls reviews. It is necessary to quantify the injusted of interpretation on the quality of health services, it is necessary to quantify the injusted interpretation on the quality of health care in order to clarify in conveffictiveness and the advantages is offers, as well as any disadvantages, and the convergence of the convergence of

- Types of studies

  1. Bandoninidel controlled trials (RCTs)

  2. Clauser RCTs

  3. Bandoninided cross-over trials

  4. Quasi-RCTs

  4. Quasi-RCTs

  6. We will include quasi-RCTs as there are likely to be few RCTs available for inclusion in the review.

## Types of participants

rypes to per technatics.

1. Patients of any age with low proficiency in the local language, as determined by the study authors.

2. Health personned who provide services for patients of any age with low proficiency in the local language.

Each participant will be analysed separately.

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Each comparison group will be analysed separately. We will not include comparison groups assessing remore interpretation via telephone or online.

Fypes of outcome measures In accordance with the definition of quality of bealth care for partients with a low bevel of proficioney in the local language, we regard quality of communication as the primary outcome, which as preconsidion for insulination of professional languaged as a preconsidion for insulination of professional languaged to regard the provision of health reviews, pairson's health users and one-headth/efficiencies on inential insurperation as accordary outcomes. Distury outcomes can be determined by evaluating quality of interpretation, and secondary outcomes can be analyzed using various measurements.

Quality of communication in medical interpretation

1) Quality of interpretation practices omission of words or phrases, filtenery of interpretation, substitution of words or phrases, editorialisation of words or phrases, altition of words or phrases altition of words or phrases altition of words or phrases altitude of words or phrases altitude by counting from audio or video record, self-report, or

fluency of unrepression, autorimization, a works or purso. A measured by medical records, ammunerance currences of medical fluences of the posterior of prizates. Measured by counting from saids or video records, deli-report, or produced for the posterior of prizates. Measured by counting from saids or video records, deli-report, or produced for the production of the posterior of the production of the prod

Interpretation will be compared with one of the following correct interventions:

• All the external interpreters a friend, family member, etc., who takes on the foll of midcal interpreters, but has not received any training in interpretation. Billinguid enoughee (and been interend in the control over communication via interpretation and health provider any training in interpretation in the control over communication via interpretation. Billinguid enoughee (and been intered interpretation in the control over communication via interpretation of medical memory. In the control over communication via interpretation in the control of the communication via interpretation in the control of the communication via via the control over communication via via the representation to a via the control over communication via via the representation to a via the control over communication via via the representation to via the control over communication via via the representation to via the communication via via the provider artification via the information provided and interpretation patients is sense of communication via with provider artification via the information provided and interpretation habble provider and interpretation and interpretation habble provider and interpretation provider and via the control of the provid Measured by self-report, health provider report, or transdrated instruments.

In the table: Characteristics of Included Studies' we will describe deathly the instruments used for nutsons measurement, as we'd in charge the contract of the despite high quality interpretation

Secondary outcomes

1) Daiene engagement with health services
Delayrin seeking medical care visit druration, utilization of health services including preventive screening, niswed appointments, lengths of hospitalisations.
Measured by medical records and the administrative detrabases of Measured by medical records and the administrative detrabases of Secondary Secondary of the services.
Diagnostic succertainty, and the amount of medical resting. Communication problems on cause increased algenostic uncertainty, which can then increase the amount of feeting done.
Measured by medical records, and administrative drabases of beathbare facilities.
3) Health outcomes (including health behavior, skills acquisition, medical erron, and drug complication).
Measured by medical records, administrative drabases of health-care Colitics, sundardined instruments, self-uport, and provider report.

report.
4) Cost and cost benefits, and effectiveness of medical interpreta

tion
Measured or calculated by the cost of medical interpretation and
the effects on health services (i.e. Imputs on the cost of health
services as well as the health outcomes achieved).

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- Cochean Coural Begine of Controlled Thials
  (CENTRAL, The Cochean Chinny).
   MEDLINE, Oct.
   MEDLINE, OC.
   MEDLINE, OC.
   Discrations of These Daubsue (Proquest).
   ESIC (CródSP).
   Index to Tieses.
   Social Service Abstract (CSA Illumins).
   Social Service Abstract (CSA Illumins).
   Social Sprinters (CSA Illumins).
   Illumins).

We present the strategy for MEDLINE in Appendix L Strategies will be tailored to other databases and reported in the review. There will be no language or date restrictions.

## Searching other resources

We will send the reports and conference proceedings of IMIA and document resources linked in their web site (e.g. "Annotated Bibliography on Language Access and Interpretation" (tarty-I-wwitanian-ed-org/resources/Annotated-Bibliography asp)), and the reports and conference proceedings of Critical Link International thrusp/ficialsilia.org)

We will manually search the following journals; Journal of Immigrant Minority Health (2006 to 2012), Social Science and Medicine (1967 to 2012) and the Journal of General Internal Medicine (1986 to 2012). We will also search reference lists of relevant studies.

We will contact experts in the field and authors of included studies
for advice as to other relevant studies.

Assessment of risk of bias in included studies

if studies meet the inclusion criteria mentioned above. We will list studie that initially appear to meet the inclusion criteria but are alter excheded in the table Chancetteria of cuched values are larer excheded in the table Chancetteria of excheded values of their exchance. We will settle disagreement between the two andoor through discussion with a third authors between the two andoors through discussion. We will provide to be translated by collaborators within a group and/or translation againgt in order to the contribent for inclusion. We will provide causion details and any available information abous ongoging studies and report related of deplicate publications. In addition, we will export the screening and selection process in an adapted PRISMA forechart.

Data extraction and management
We will develop a thus extraction Review Compt data extraction
Consumer and Communication Review Compt data extraction
remplace, pilot extra in our nanoulous/selected included studies,
and refine it accordingly, independently, two authors will extract data from the incided audits, indirention extracted willing
clude audy design, information about the patricipants including
patients language professes, yee of intervention, setting, and
de accounts. We will settle diasperenment between the two authors
through directions with a third auditure.
And the major of the professes of the contraction of the newfort
mapp of the patricies of the other language and in the newfort
mappe of the patricies for fail where the extraction of the contraction of the contr

A seasoment of risk of bias in Included studies

The relives are so other refront studies.

Data collection and analysis

Description of the collection of studies

Description of studies

Selection of studies

Selection

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sequence generation as the methods were not, by definition, renly random).

• Allos-dismonstructures judged by rice merical uses to a landiscin consolitory and the process of the second consolitory and the second consolitory and the second consolitory and the second consolitory and the second consolitory.

• Blindings of principatus and personnel; judged by all measures used; jar, so blind study participatus and personnel from knowledge of which intervention a participant received, and by any information relating whether the intended blinding and by any information relating whether the intended blinding consolitory and by any information relating whether the intended blinding consolitory and the second consolitory

The risk of bias of included studies will be used to inform the discussion of the review's findings.

## Measures of treatment effect

Continuous data

We auticipier that the majority of outcomes will be measured and reported as continuous data. We will compute a standard-ised mans difference (SMD) for continuous outcome variable, with a 59% conflictor mercal (CL). For this review, a convendent and the standard proposal continuous outcome variable, with a 59% conflictor mercal CL). For this review, a convendent in the continuous means fatrified interpreters veran other interpretations by the posted and weighted standard deviation of the interpretation. Specifically, Hedging operated by that spotted execution when the uncorrected SMD effect seiz is used on multi-standard as weighted memore end SMD effect seiz is used on multi-standard as weighted means oft the effect rise for each study, with the weight being the invene of the equipment of the standard error. Thus, a study will be given greater weight for a large sample size and more precise measurement, both of which reduce standard error.

Dichotomous data

We will compute odds ratios (ORs) for dichoromous outcomes with a 95% Cf. Based on the assumption of proportional odds. ORs can be compared between variables with different distributions, including very rare and more frequent occurrences.

Clustre-randomized trials:
If the unit of albectsion (e.g., buspital) is different from the unit of analysis (e.g., peeps with hoe proficiency in the local language), we will seek statistical advice to determine whether appropriate methods were call on work unit-of-scanging terms. When statistical cleaner analysis is used, effect estimates and their standard errors with memorabody Colbervise they will be enclased from the memorabogies unless the review androst can control for the clustering from the validable information.

If studies are conducted in crossover design, we will use the results from the first intervention period.

Multiple intervention groups
Within the intervention and/or control groups mentioned in the
section Types of incremation, if multiple groups with different
individuals are presented in studies, all relevant intervention and/
or distributed groups will be combined into a single group to create a
single pairwise comparison.

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## Interventions for reduction of stigma in people with HIV/AIDS (Protocol)

Wariki WMV, Nomura S, Ota E, Mori R, Shibuya K



This is a reprint of a Cochrane protocol, prepared and maintained by The Cochrane Collaboration and published in *The Cochrane Library* 2015, Issue 6

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HISTORY																							1
CONTRIBUTIONS	O	A	т	HC	DR:	5																	1
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## Interventions for reduction of stigma in people with HIV/AIDS

Windy MV Wariki<sup>1</sup>, Shuhei Nomura<sup>2</sup>, Etika Ota<sup>3</sup>, Rimato Moti<sup>4</sup>, Kesii Shibuya<sup>2</sup>

<sup>1</sup>Research Center, Manado State University, Tondano, Indonesia. <sup>3</sup>Department of Global Health Policy, Graduate Scho The University of Tokyo, Tokyo, Japan. <sup>5</sup>Devision of Egidemiology, National Center for Child Health and Development <sup>5</sup>Department of Health Policy, National Center for Child Health and Development, Tokyo, Japan

Contact addrso: Erika Ota, Division of Epidemiology, National Center for Child Health and Development, 2-10-1 Okura, Seragga-ku, Tokyo, 157-8535, Japan. e-49-miniate.jp.

Editorial group: Cochrane HIV/AIDS Group.
Publication status and date: Amended to reflect a change in scope (see "What's new"), published in Issue 6, 2013.

Citation: Wariki WMV, Nomura S, Ota E, Mori R, Shibuya K, Interventions for reduction of stigma in people with HIV/AIDS. Certimane Database of Systematic Beviews 2013, Issue 6, Art. No.: CD006735, DOI: 10.1002/14651858.CD006735.pub2.

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col for a review and there is no abstract. The objectives are as follows:

1. To assess the effectiveness of interventions to reduce stigma towards people living with HIV/AIDS, improve coping strategies and increase rolerance, compared with a control group.

2. To assess the most effective form of interventions to reduce stigma towards people living with HIV/AIDS, improve coping strategies and increase tolerance, compared with a control group.

BACKGROUND

Conceptualization of sigma according to Goffman's theory is described as "dynamic process of devaluation than significantly discretification of the condition

Description of the condition

First observed in 1981 in the United Stores, HIV/AIDS has transformed into a global epidenies (GNAIDS 2011), 1, 1021 Jahons, a cuitament of 3.2, million people worldwide were long with HIV AIDS (SNAIDS 3011). Signaps rathesed to HIV/AIDS what transcribed in a transcriber as a intermet was an informal briefing on AIDS used ball of the state of the s

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comparisons of interventions that target signas, and limits the ability to design effective programs and interventions. In the or of the HIVAIDS epidemic, recent research to better understand the popel of HIVAIDS elegislates, to even the second of the control o

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courributing to better health curcome amongs all pepulations. In this review, we will fecus only on individual interventions that address activated sensor of signs and deficinations, including behavioral, educational and coold interventions in creating swatering of the control of the contro

## Criteria for considering studies for this review

How the intervention might work

By decracing HIVI/IDS signa, a challenging impediantent to public health programs will be overenome, leading to a reduction in infurired HIV infections, the provision of adequate health care and support as well as mitigating the impact of HIVI/AIDS (flew-no 2023).

Intervention that aim to reduce HIVI/AIDS callerd signa have been incausant of fee, in in audonizated consolided traids, tipe and post-time to give a distribution of the controlled raids (Fig. 1) to reduce aigma towards people living with HIVI/AIDS fract computer two different interventions, including the controlled raids. It is a support to the controlled raids (Fig. 1) to reduce aigma towards people living with HIVI/AIDS fract computer two different interventions, including the controlled raids. It is a support to the controlled raids (Fig. 1) to reduce aigma towards people living with HIVI/AIDS fract computer two different interventions, including the controlled raids. The reduced response to the reduced reduced response to the reduced reduced response to the reduced respon

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type of intervention strategy with a countrol, will be included. The unit of randomization will be individual or cluster level. Quasi-RCTs will be excluded.

Search methods for identification of studies unit of randomization will be individual or cluster level. Quasi-RCTs will be excluded.

The general population living with HIV/AIDS, as well as specific target groups living with the disease, including sex workers, drug users (drug uses who inject drugs as well as other drug-using populations), men who have sex with men, bisexual people, pregnant women and adolescents.

rypes of interventions. Syscolic or general intervention campaigns (particularly behaviored), section compared as a population level or a special carge group, including a na ini-dividual level, that aim no reduce signa. These interventions in-dividual level, that aim no reduce signa. These interventions in-dividual level, that aim no reduce signa. These interventions in-dividual level, that in our reduce signa. These interventions in-dividual level, that the reduced texture, prospective, the control of the cont

street dramas), or a combination of these author at accounting a havior change. The compartion will be other interventions for reduction of HIV/ AIDS-related stigms or no intervention.

## Types of outcome measures

Primary outcome.

1. Experience of nigma: pepindicial attitudes and behaviours rowards people living with HIVAIDS, including refusal to provide hold inces, segregation in healthcare settings, threats of violence, being first from a job, being refused as job offer, abandonment by family, pelyind saudus, ocal avoidance, self/social inclusion, secrecy, non-disclosure and sexual abuse-related stigms.

2. Anger symptoms: easy to anger, existential anger.
 3. Depressive symptoms: hopelessness about the future, fear, anxiety; frustration, feeling and, crying easily:

In lineate in orderante rowards people living with HIV/AIDS

In the general population, healthest providers or any order rangest proups,

2. Improvements in coping strategies for dealing with HIV/AIDS.

The methodology for data collection and analysis will be based on guidance from the Cochrane Handbook for Systematic Reviews of Intervention (Higgina 2009).

1. Electronic searches

An exhaustive surch strategy in collaboration with the trial search coordinator of the Cachrame HIV Review Genop will be control to the control of the Cachrame HIV Review Genop will be or publication some qualified the press and in prognos). The following electronic thatbaces will be astrocked to prognosis. The following electronic thatbaces will be astrocked to the control of the Cachrame Cartal Regimer of Controlled Tailsia (CENTRAIL), MEDLINE, EMMASE, LILAC, NLM Gareway, CINAHL, AILD, CALL, AILD, CALL, AILD, AILD, AILD, CALL, AILD, CALL, AILD, AILD, CALL, AILD, CALL, AILD, AILD, AILD, AILD, CALL, AILD, CALL, AILD, AI

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Participant details. Sociochairmal and economic characteristics. Including a contractive contract

details.

Assessment of risk of bias in included studies

The risk of bias within the included studies

The risk of bias within the included rundies against key criteria described below will be accused independently by on revoke authors in accordance with method recommended by the Cochrane Efficiency Parties and Organization of Lees (EPOC Glossy and the Cochrane Handlood for Systematic Reviews of interventions but the Cochrane Handlood for Systematic Reviews of interventions but the Cochrane Handlood for Systematic Reviews of interventions but the Cochrane Handlood for Systematic Reviews of interventions that the conditions of the Cochrane Handlood for Systematic Reviews of interventions that the conditions of the Cochrane Handlood for Systematic Reviews of interventions that the conditions of the Cochrane Handlood for Systematic Reviews of interventions that the conditions of the Cochrane Handlood for Systematic Reviews of Interventions that the Cochrane Handlood for Systematic Reviews of Interventions of the Cochrane Handlood for Systematic Reviews of Interventions of the Cochrane Handlood for Systematic Reviews of Interventions of the Cochrane Handlood for Systematic Reviews of Interventions of the Cochrane Handlood for Systematic Reviews of Interventions of the Cochrane Handlood for Systematic Reviews of Interventions of the Cochrane Handlood for Systematic Reviews of Interventions of the Cochrane Handlood for Systematic Reviews of Interventions of the Cochrane Handlood for Systematic Reviews of Intervention of the Cochrane Handlood for Systematic Reviews of Intervention of the Cochrane Handlood for Systematic Reviews of Intervention of the Cochrane Handlood for Systematic Reviews of Intervention of the Cochrane Handlood for Systematic Reviews of Intervention of the Cochrane Handlood for Systematic Reviews of Intervention of the Cochrane Handlood for Systematic Reviews of Intervention of the Cochrane Handlood for Systematic Reviews of Intervention of the Cochrane Handlood for Systematic Reviews of Intervent

Selection of studies

The selection of potentially relevant mades will be performed in collaboration with the Chernar HIV/AIDS Group, All identified cirations will be appraised independently and critically by reserve undown. Give Way to determine the potentially eligible under for inclusion. The tiles, abstracts, and descriptor terms of the remaning references will be assumed, and the included and outcome assesso), incomplete outside for inclusion. The tiles, abstracts, and descriptor terms of the remaning references will be assumed, and the included and outcome assessors, incomplete outside for inclusion. The tiles, abstracts, and descriptor terms of the remaining and outcome assessors, incomplete outside for inclusion. The tiles, abstracts and extended and the field article are abstracted assessment of the included and outcome assessors, incomplete outside the field article are abstracted assessment will be recreated as a will assist the complete and an excluded studies trade. Reference management of each selected in the complete and the completence will be described in a selected and the completence of the current of the completence will be described in a selected date and a selected and the completence of the current of the completence of the current of the complete of the completence will be described in a selected and the completence of the current of the cu

sions where reported, and whether mining, data is balanced across gamps or it educate to occurence. Where unfolled minimation is reported, or will be exployed by the tent al authors, mining data will be induced in the analyse.

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## Supplementation with multimicronutrients (excluding vitamin A) for breastfeeding women for improving outcomes for the mother and baby (Protocol)

Abe SK, Balogun OO, Ota E, Mori R



This is a reprint of a Cochrane protocol, prepared and maintained by The Cochrane Collaboration and published in *The Cochrane Library* 2013, Issue 7

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Supplementation with multimicrostorisms (excluding vitamin A) for breastfeeding women for improving outcomes for the mother and 1 baby (Process)

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## [Intervention Protocol]

## Supplementation with multimicronutrients (excluding vitamin A) for breastfeeding women for improving outcomes for the mother and baby

Sarah K Abe<sup>1</sup>, Olukunmi O Balogun<sup>2</sup>, Erika Ona<sup>3</sup>, Rintaro Mori<sup>4</sup>

<sup>1</sup>Department of Global Health Policy, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan. <sup>2</sup>Department of Social and Preventive Epidemiology, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan. <sup>2</sup>Division of Epidemiology, Responsible Control of Tokyo, Japan. <sup>4</sup>Department of Hoalth Policy, National Center for Child Health and Development, Tokyo, Japan. <sup>4</sup>Department of Hoalth Policy, National Center for Child Health and Development, Tokyo, Japan.

Contact address: Rintaro Mori. Department of Health Policy, National Center for Child Health and Development, 2-10-1 Okura, Seragaya-ku, Tokyo, Tokyo, Tokyo, 166-0014, Japan. elmatomenti@mail.com.

Citation: Abe SK, Balogun OO, Ota E, Moti R. Supplementation with multimicronurrieus (earlating vitamin A) for breastfeeding women for improving ourcomes for the mother and balsy. Cechnene Database of Systematic Reviews 2013, Issue 7. Art. No.: CD010647. DOI: 10.1002/14615585\_CD016647

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This is the protocol for a review and there is no abstract. The objectives are as follows:

To evaluate the effects of multimicronsurrient supplementation (excluding vitamin A) in breastfeeding mothers on maternal and infant outcomes.

Microsouriems are naturally occurring substances. They are compried of vitamins and minerals, which are required in small amounts to ensure normal netablism, physical growth and development. However, due to poor quality of dist and/or inade-vitamines. However, due to poor quality of dist and/or inade-vitamines. However, due to poor quality of dist and/or inade-vitamines. However, due to poor quality of dist and/or inade-vitamines. However, due to poor quality of dist and/or inade-vitamines. However, due to poor quality of dist and/or inade-vitamines. However, due to poor quality of dist and/or inade-vitamines. However, due to poor quality of dist and/or inade-vitamines. However, due to poor quality of dist and/or inade-vitamines and minerals particularly dollar, from any large part meet flavor in a variety of the people lies in the deficient is key visit may not ultimate to deficient or the deficient visit in the visit of the deficient visit in the visit of the people lies in the deficient visit in the visit of visit of the visit of visit of the visit of visit of the visit of the visit of the visit of the visit of the

Suppresserved.

Baby (Protocol)

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infant as the mother's micromunifont starus determines the health and development of the bestare foll infant. Low maternal austicat words operably in low-income regions such as side-sharina Africa (Larry 2005). This results in major shortful in the concernation of some of these markets in beate milk dues providing tube-spinal levels of more final the materials in the case markets. 2001 18/Callough 1999, As how levels these deficiencies may mandet in our on more disclaim symposium devels of more disclaim symposium in the disclaim of the development of more disclaim symposium includes (schamin C. Vanisch 1872). Thousand 1872 desic development of more disclaim symposium development development of more disclaim symposium development of more disclaim symposium development development development development of more disclaim symposium development dev

Supplementation with multimicronstreams (Lances).
baby (Protocal)
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equate levels of visamin B6 (AsC-Callough, 1999). Therefore, as additional G6 mg may be seeded for learning women (Io-vacial 1994). With oligo give tood RNI for also adoptedation to 2.0 mg/state of the control of the

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The realizate the effects of multimicronautrien supplementation trient deficiencies are more likely to affect becar milk composition and consequently the development and nutritional stams of the marring infant. Micronautrient supplementation can increase the execution of many of these mutritums in these and all, and improve the control of many of these mutritums in the sea milk. and improve the control of many of these mutritums in the sea milk. and improve the control of many of these mutritums in the sea milk. and improve the material of multiple-enticenomatics supplementation can increase the formeric of months of the mutritum streamforthing women because it is possible the deficiencies in one mutritum may be a marker for other nutrient inadequotics. For example, an observational welly in homeine absord that the micronautrien stream of learning mothers and thus of their infants were closely related with deficiencies of viations A. In most a fine occurring concurrency in hosh mother and infant (Dijkhaima: 2011). Improving intake on multiple nutrients may inhorte enhance understanding of nutrient-nutrient interactions (Kuleza) 1950).

The WHO recommends that infants be actualwely breat-fed for the first fer months of life. This feeling strategy has the potential to reduce the risk of infections will be entitline and the results or rich case the risk of infections will be entitline infant has been been required in the requises on the importance of the autrinodal trains in literating womens (Neum-2004). Learstoin is a complete homeously constituted another met herowing the recommendation in the requises on the importance of the autrinodal trains in literating women (Neum-2004). Learstoin is a complete homeously constituted another met herowing the recommendation of the results of the control of the contro

(3.1) Blinding of participants and personnel (checking for possible performance bias)

possible performance bias)

We will describe for each induded analy the methods used, if
any, no blind sundy participants and personnel from knowledge of
which intervention; a participant received. We will conside not
sundice are at low risk of bias if they were blinded, or if we judge
that the lask of binding would be analogie or affect results.

We will assess blinding separately for different outcomes not classes of
nonconnel.

(3.1) Blinding of outcome assessment (checking for possible detection bias)

We will describe for each included study the methods used, if any, to blind outcome assessors from knowledge of which inscreeming a participant received. We will assess thousanding separately for different outcomes or classes of outcomes. We will assess models used to blind outcome assessment as:

low, bigs or unclear risk of bias.

Types of studies

All prospective randomised countrilled trials evaluating multiplemicroactives (tecludage dynamin A) supplementation of beastfeeding mothers including individually-randomised or churserandomised trials, and multi-armed randos. Quasi-randomised
trials and cross-crutials with be excluded.

Infant mortality
 Child mortality

with multimicronstrients (excluding vitamin A) for breastfeeding women for improving outcomes for the mother and Supplementation was remained by John Wiley & Sons, Ltd.

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1. Anaemia 2. Satisfaction

- Clinical micronusrient deficiency
   Morbidity episodes (febrile illness, respiratory tract infection, diarrhoea, other)
   Adverce effects of micronusrients within three days of receiving the supplement

## Search methods for identification of studies

Electronic tearches

We will counted the Titled Search Co-ordinator to search the
Cochane Pregnancy and Childhirth Groupy Titled Register.

The Cochane Pregnancy and Childhirth Groupy Titled Register
in minimized by the Titled Search Co-ordinator and counties trials
identified from:

1. monibly searches of the Cochanae Central Register of
Controlled Trials (CENTRAL).

2. worldy searches of MEDLINE

3. worldy searches of Embase;

4. handesarches of 30 journafs and the proceedings of major
conferences:

weekly searches of Embase:

A handscarches of Spinutes and the proceedings of major conferences.

Seekly current awareness alents for a further 46 journals plus monthly Bolded Central cmall allers.

Details of the search surveyers for GENTRAL MEDIANE and Embase, the list of Bundscarches of the GENTRAL with the conferences and the first of journals reviewed via the current awareness alents for a further first power of the search surveyers for GENTRAL MEDIANE and Embase, the list of handscarched journals and conference proceedings, and the first of journals reviewed via the current awareness alent the formation of the search surveyers and the first of journals reviewed via the current awareness and the first of journals reviewed via the current awareness and the first of journals about the Conditional Programs within the childral information also particle Regional vision of Cital districts from the conditional programs are cach satigated on a review read.

# Data collection and analysis

with multimicronutrients (excluding vitamin A) for breastfeeding women for improving outcomes for the mother and Supplementation with multimicronutriens to budy (Protocol)

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Two review authors will independently assess for inclusion all the potential studies we identify as a result of the search strategy. We will tesolve any disagreement through discussion or, if required, we will consult a third person.

Data extraction and management We will cleips a form to create data. For eligible undies, at least row review unders will extract the data using the agened from. We will eached extragenties through discussion or, if required, we will count a third person. We will cutter data into Review Manages underset (PeroMas 2011) and check for accuracy, When information regulating any of the above to unclear, we will accurate to constact authors of the original reports to provide further cleans.

## Assessment of risk of bias in included studies

Two review authors will independently assess risk of bias for each study using the criteria outlined in the Cachrane Handbook for Systematic Reviews of Intervention (Higgins 2011). We will resolve any disagreement by discussion or by involving a third assessor.

This identified from the searching scripts described shows are carb naigned to a review topic for topics. The This Starthoff comments of the register for each review using the rope lite rather than keywords.

We will not apply up pluguage extrictions. has)

We will describe for each included soady the method used to conced allocation to interventions prior to assignment and will awar
with the state of the st

# (d) incomplete outcome data (thecking for possible attrition bilas due to the amount, nature and handling of incomplete outcome data) We will decribe for each included usuly, and for each outcome or class of outcome, the completeness of than including arrition and exclusions from the analysis. We will see whether arrition and exclusions were reported and the numbers included in the analysis are charge (compared with the exait anothonized participants), reasons for artition or exclusion where reported, and whether arising the compared with the exact another included with the complete of the compared with the compared of the compared with the analyses which we undertake. We will asset methods as: I won risk of this (e.g. no mixing outcome data; mixing duate outcome data bilanced across groups): I high risk of this (e.g. numbers or excess for mining data inhalanced across groups): a reneard analysis done with stabilizated idequates of intervention received from that satisped at autohomistical): under not for this.

(5) Selective reporting (thecking for reporting bias)

We will describ for each included study how we investigated the
possibility of effective outcome reposting bias and what we found.

We will asses the methods as:

Cluster-randomised trial

- low risk of bias (where it is clear that all of the multy's perspecified outcomes and all expected outcomes of interest to the restriction of the perspecified outcomes and of the perspection outcomes the perspection of the perspection of the perspection outcomes are perspected incompletely and to cannot be used andy fails to include results of a key outcome that would have been expected to have been expected to the perspection of the

# (6) Other bias (checking for bias due to proble covered by (1) to (5) above)

corrected by (1) to (5) above)

We will denerite for each included study any important concerns we have about other possible sources of bias.

We will assess whether each rundy was free of other problems that could pair it at risk of bias:

• loor risk of other bias;

• login risk of other bias;

• login risk of other bias;

• unclear whether there in risk of other bias,

# (7) Overall risk of bias

(7) Overall risk of bias We will make spiklick judgements abour whether audies are at high risk of hias, according to the criteria given in the Handmed Fliggina 2011). What reference (0.1) to 60 above, we will assess the likely magnitude and discretion of the bias and whether we consider it is likely to impact on the finding. We will explore the impact of the level of bias rhough undertaking sensitivity analyses. Are Sessitivity analysis.

## Measures of treatment effect

For dichoromous data, we will present results as summary risk ratio with 95% confidence intervals.

Continuous data

For continuous data, we will use the mean difference if outcomes are measured in the same way between trible. We will use the transdurdized mean difference to combine trible that measure the same outcome, but use different methods.

on with multimicronutrients (excluding vitamin A) for breastfeeding women for improving outcomes for the mother and 4 Supplementation with multimicronutrients (excausing transmir., ... baby (Protocol)
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## High-dose versus low-dose oxytocin for augmentation of delayed labour (Review)

Kenyon S, Tokumasu H, Dowswell T, Pledge D, Mori R



This is a reprint of a Cochrane review, prepared and maintained by The Cochrane Collaboration and published in *The Cochrane Library* 2013, Issue 7

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High-dose versus low-dose exyrotin for augmentation of delayed labour (Review)
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High-dose versus low-dose exyrocin for augmentation of delayed labour (Review)

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## High-dose versus low-dose oxytocin for augmentation of delayed labour

Sara Kenyon<sup>1</sup>, Hitonohu Tokumasu<sup>2</sup>, Therese Dowswell<sup>3</sup>, Debbie Pfedge<sup>4</sup>, Rintaro Mori<sup>5</sup>

School of Heddth and Repulation Sciences, University of Birmingham, Edghanton, UK. \*Neonanology, Egoshima City Hoopital, Kygoshima, Japan. \*Cochrane Pregamoy and Childrint Group, Department of Women's and Children's Heddth, The University of Liverpool, Liverpool, Live National Coldisoning Centre for Women's and Children's Heddth. London, UK. \*Department of Heddth Policy, National Center for Child Health and Development, Tokyo, Japan

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Editorial groups Cochrane Pregnancy and Childharth Group.
Publication status and date: New search for studies and content updated (no change to conclusions), published in Issue 7, 2013.
Review content subsected as up-to-dated: 4 July 2013.

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A major cause of failure to achieve spontaneous vaginal birth is delay in labour due to presumed inefficient sterine action. Osysocin is given to intereste constrations and high-done regiments may potentially increase the number of spontaneous vaginal Births, but as oxysocin can cause hyperstimulation of the uterus, there is a possibility of intereast deriver cents.

## Objectives

To compare nurting dose and increment dose of oxysocin for augmentation for women delayed in labour to determine whether augmentation by high-dose regimens of oxysocin improves labour outcomes and to examine the effect on both maternal/meanatal outcomes and women's kirth experience.

## Search methods

We searched the Cochrane Pregnancy and Childbirth Group's Trials Register (31 May 2013) and reference lists of retrieved studies.

We included all randomited and quasi-randomised controlled trials for women in delayed labour requiring augmentation by coprocin comparing high-dose regimens defined as starting dose and increment of equal to or more than 4 mU per minute) with low-dose regiment defined as starting dose and an increment of lest than 4 mU per minute). Increase intervals between 15 and 40 minutes. The separation of low- and high-dose regimens is based on an arbitrary decision.

## Data collection and analysis

Four review authors undertook assessment of trial eligibility, risk of bias, and data extraction independently.

High-dose versus low-dose exytotin for augmentation of delayed labour (Review)
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HEADER

Main results

We included from melia involving 644 pregious women. These randes were randomized controlled right and one risid was a quaricandomized study. A higher slow of oxygonia was smoothered with a significant reduction in length of labour reported from one trial
reason of the controlled reported from one trial reason and the controlled reported from the controlled reason of the reas

## Authors' conclusions

Higher-dote regimens of oxytocin (4 mU per minute or mort) were associated with a reduction in the length of labour and in caesarean section, and an interace in spontaneous vaginal birth. However, there is insufficient evidence to necommend that high-dose regimens are advised nuturity for someney with delay in the first surge of birth. Turther research band evaluare the effect of high-dose regimens of oxytocin for women delayed in labour and should include maternal and monaral outcomes as well as the effects on women.

## PLAIN LANGUAGE SUMMARY

## Oxyrocin in high versus low doses for augmentation of delayed labour

Osyocin in high versus low doese for augmentation of delayed labour. When here differes temple of bloom, which for labour latering no average eight heurs (and unlikely to last more than 18 hours) and exceed and subsequent labour lating an average of for hours and unlikely to last more than 12 hours. Amountees of progress in labour that is most concern not jun corrected delaration, but also decrease and outsine of the feed held and the strength, denarion and fraquency of countractions. Some release aggress that up to one-third of women in their first labour experience delay. They are often given a symbilety wherein one first he hourse and contained to the strength of their labour than the strength of their labour delays the strength of their labour delays are strength of their labour delays the strength of the strength of their labour delays the strength of their labour delays the strength of the strength

From the four translation clearations in vision, in a cleanary was experimentally experimentally

While the current evidence is promining and suggests that the high-door regimens reduce the length of labour and the rate of caeatean sections, this evidence is not arong enough to recommend that high-door regimens are used routinely for women delayed in labour. We recommend that first presents it is carried out.

High-dose versus low-dose exystesin for augmentation of delayed labour (Review)
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