

Midwives' approaches to management of expulsion

Breakfast with the experts

Caroline Matteo / ProfD, RM

Midwifery Lecturer, Aix-Marseille Université

International Representative of the French

National College of Midwives



WORLD CONGRESS OF
GYNECOLOGY AND OBSTETRICS

9-12 OCTOBER 2023
PARIS CONVENTION CENTRE



Laurent Gaucher / PhD, MPH, RM

Assistant Professor with tenure-track

Geneva, Switzerland

Treasurer of the French National
College of Midwives

► figo2023.org
#figo2023

Midwives approaches to management of expulsion

Caroline Matteo / ProfD, RM

- I have nothing to disclose.

Laurent Gaucher / PhD, MPH, RM

- Teacher-researcher HEdS-GE
- Inserm researcher U1290
- Midwife Lyon University Hospital
- Treasurer French College

- No industrial links

<https://www.transparence.sante.gouv.fr/>

How to participate?



1 Go to wooclap.com

2 Enter the event code in the top banner

Event code
FIGO2023

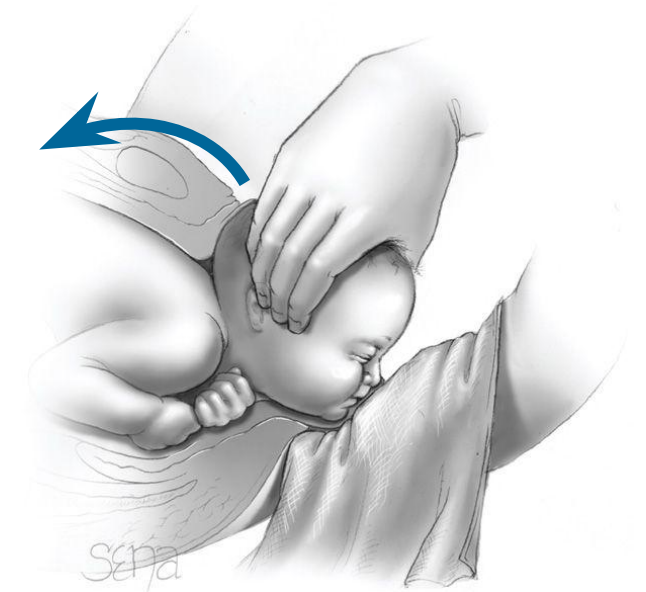
• figo2023.org
#figo2023

What are we talking about?

Maintaining the foetal head?

- « hands-off »
- « hands-on » (« hands-poised »)
- Ritgen manoeuvre
- Modified Ritgen manoeuvre
- « Finnish intervention »
- « Viennese method »

Avec l'aimable autorisation du Dr Renner



Manœuvre de Ritgen

Rationale for the choice of topic

Impact of the conditions of expulsion

- Perineal injuries
- Pain
- Positive/negative experience of birth

Multiple practices regarding expulsions

- Birth position
- Active/non-active pushing efforts
- ...
- Hands off/hands on setting



variety of practices depending on country and

Midwives' role in decision-making

Problématique

Think

Take a minute to individually think about the following question: "**Which approach is preferable in the management of expulsion by midwives: Hands-On or Hands-Off?**"

Pair

You have 2 minutes to share your thoughts with a partner.

Share

One or more congressista will be selected to summarize their group's discussion in front of the group.



1 min

2 min

Hands-on

Hands-off

• figo2023.org
#figo2023

What are your practices on management of expulsion

How to participate?



1

Go to wooclap.com

2

Enter the event code in the top banner

Event code
FIGO2023

• figo2023.org
#figo2023



What does science have to say?

Should the foetal head be maintained?



Cochrane
Library

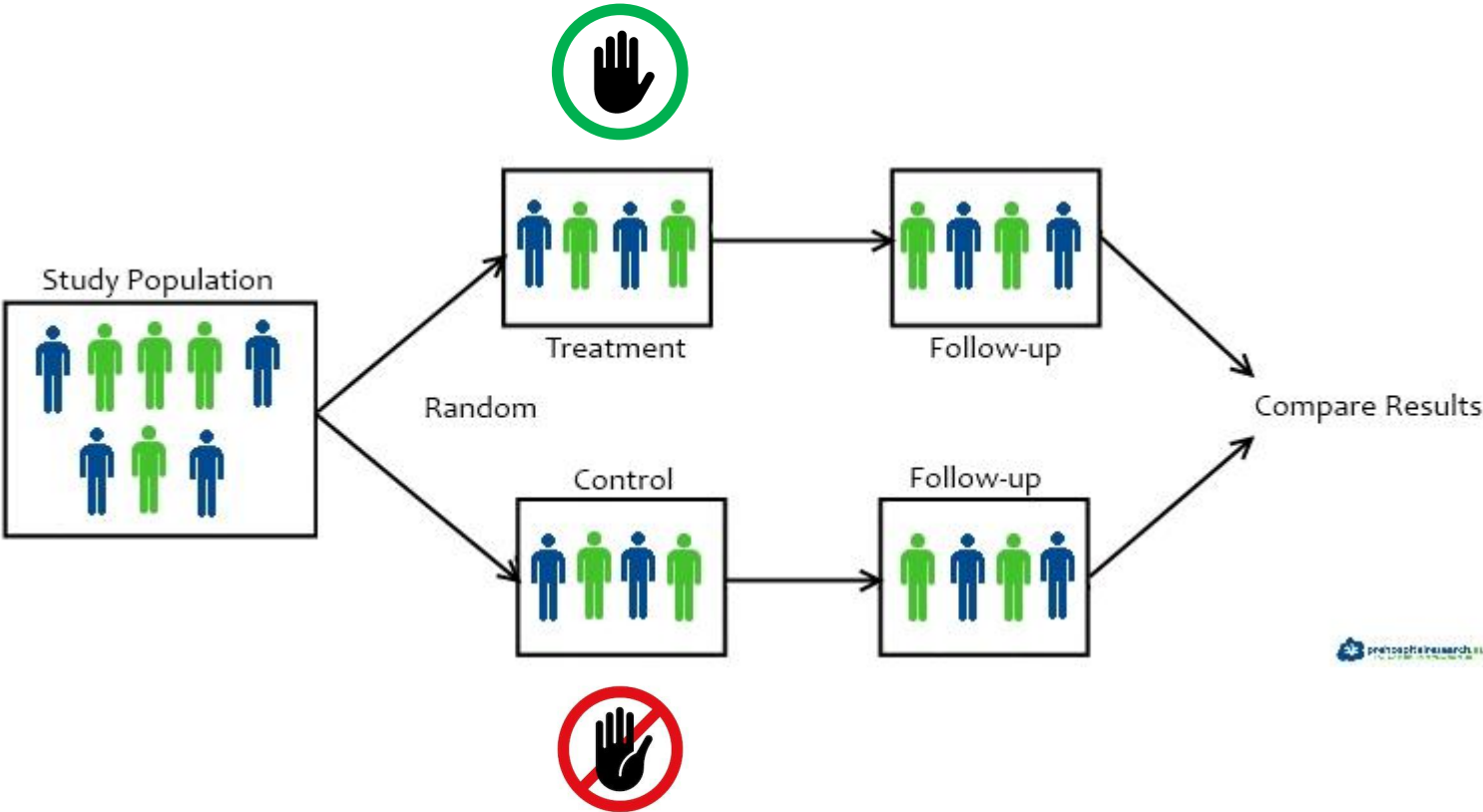
Cochrane Database of Systematic Reviews

Perineal techniques during the second stage of labour for reducing perineal trauma (Review)

Aasheim V, Nilsen ABV, Reinart LM, Lukasse M

What does science have to say?

Should the foetal head be maintained?



perceptiveresearch.nl

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Aabakke 2016	+	+	-	?	+	+	+
Albers 2005	+	+	-	?	+	+	+
Araujo 2008	+	?	-	-	+	?	?
Attarha 2009	?	?	-	-	?	?	-
Dahlen 2007	+	+	-	?	+	+	+
De Costa 2006	?	?	-	-	?	?	?
Fahami 2012	-	?	-	-	?	?	?
Foroughipour 2011	?	?	-	-	?	?	?
Galledar 2010	+	?	?	?	?	?	?
Geranmayeh 2012	?	?	-	-	-	?	?
Harlev 2013	?	?	?	?	+	?	+
Jönsson 2008	?	?	-	-	+	?	+
Lavesson 2014	+	+	-	-	?	?	?
Mayerhofer 2002	-	-	-	-	+	?	+
McCandlish 1998	+	+	-	?	+	+	?
Most 2008	-	-	-	-	?	-	?
Musgrove 1997	?	?	-	-	?	-	?
Rezaei 2014	+	+	-	-	+	?	?
Shirvani 2014a	?	?	-	-	?	?	+
Sohrabi 2012	?	?	-	-	?	?	?
Stamp 2001	+	+	-	-	+	+	+
Terre-Rull 2014	+	+	-	-	?	?	?

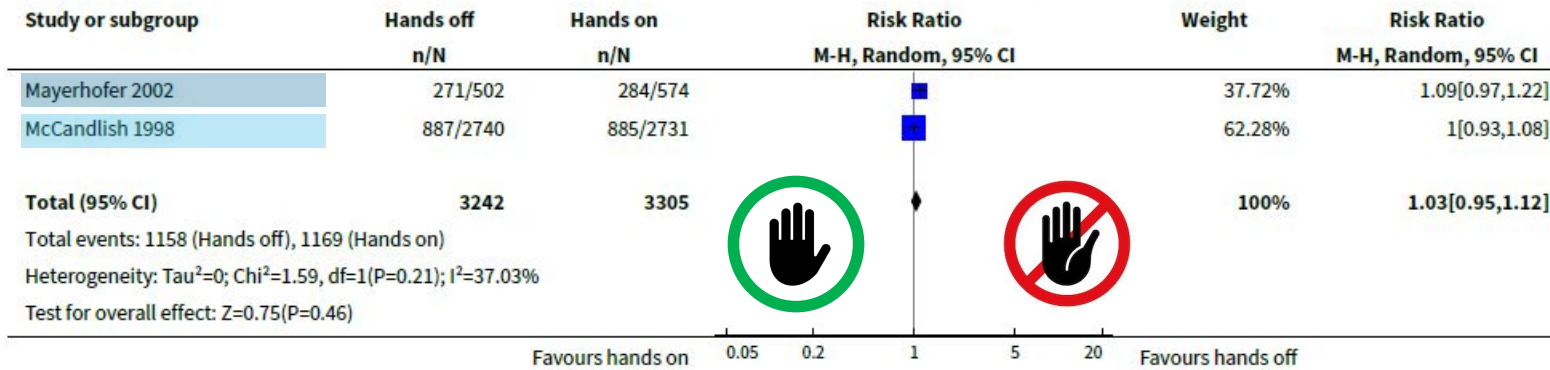


What does science have to say?

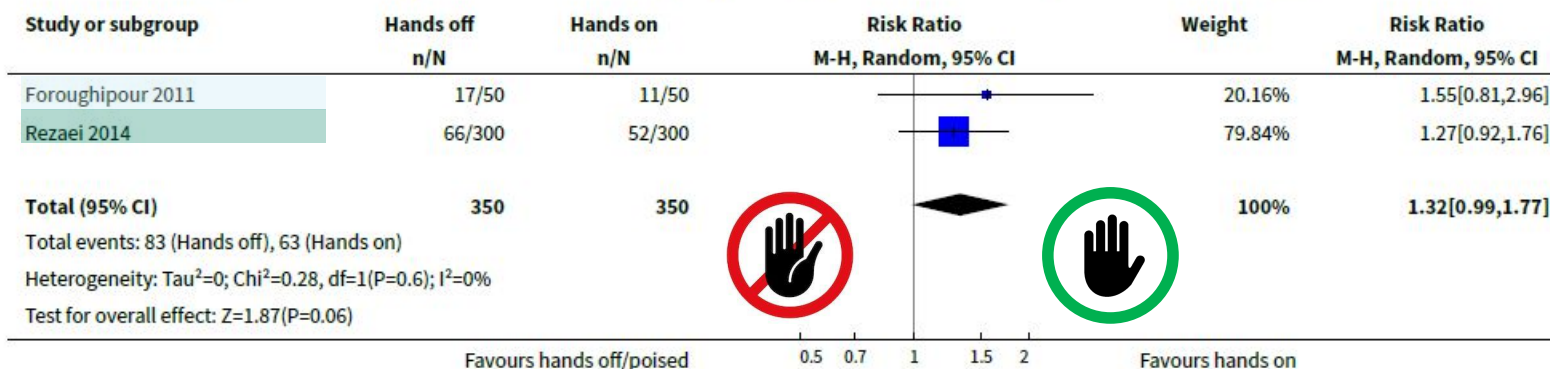
Should the foetal head be maintained?



Analysis 1.1. Comparison 1 Hands off (or poised) versus hands on, Outcome 1 Intact perineum.



Analysis 1.2. Comparison 1 Hands off (or poised) versus hands on, Outcome 2 1st degree tear.

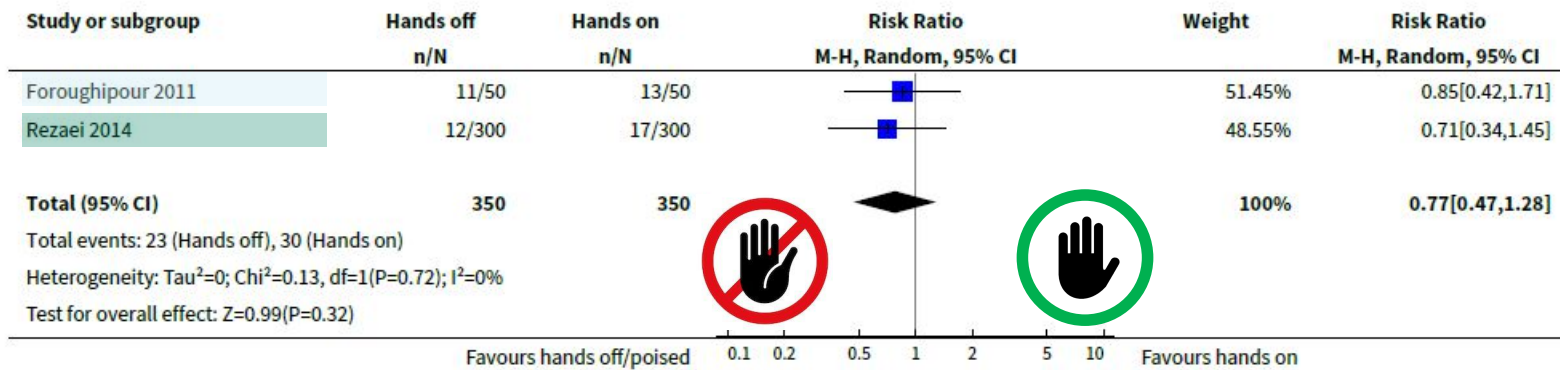


	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Aabakke 2016	+	+	+	?	+	+	+
Albers 2005	+	+	+	?	+	+	+
Araujo 2008	+	?	+	+	+	?	?
Attarha 2009	?	?	+	+	?	?	+
Dahlen 2007	+	+	+	?	+	+	+
De Costa 2006	?	?	+	+	?	?	?
Fahami 2012	+	?	+	+	?	?	?
Foroughipour 2011	?	?	+	+	?	?	?
Galledar 2010	+	?	?	?	?	?	?
Geranmayeh 2012	?	?	+	+	?	?	?
Harlev 2013	?	?	?	?	+	?	+
Jönsson 2008	?	?	+	+	+	?	+
Lavesson 2014	+	+	+	?	?	?	?
Mayerhofer 2002	+	+	+	+	?	?	+
McCandlish 1998	+	+	+	?	+	+	?
Most 2008	+	+	+	?	?	?	?
Musgrove 1997	?	?	+	?	?	?	?
Rezaei 2014	+	+	+	+	?	?	?
Shirvani 2014a	?	?	+	?	?	?	+
Sohrabi 2012	?	?	+	?	?	?	?
Stamp 2001	+	+	+	+	+	+	+
Terre-Rull 2014	+	+	+	?	?	?	?

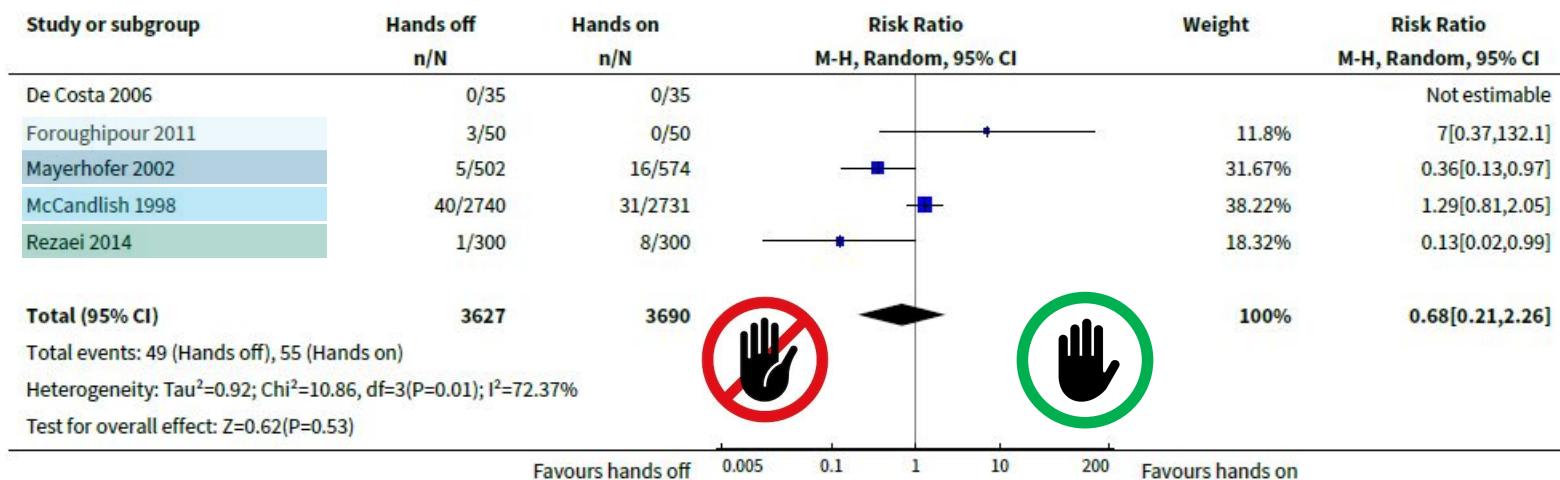
What does science have to say?

Should the foetal head be maintained?

Analysis 1.3. Comparison 1 Hands off (or poised) versus hands on, Outcome 3 2nd degree tear.



Analysis 1.4. Comparison 1 Hands off (or poised) versus hands on, Outcome 4 3rd or 4th degree tears.



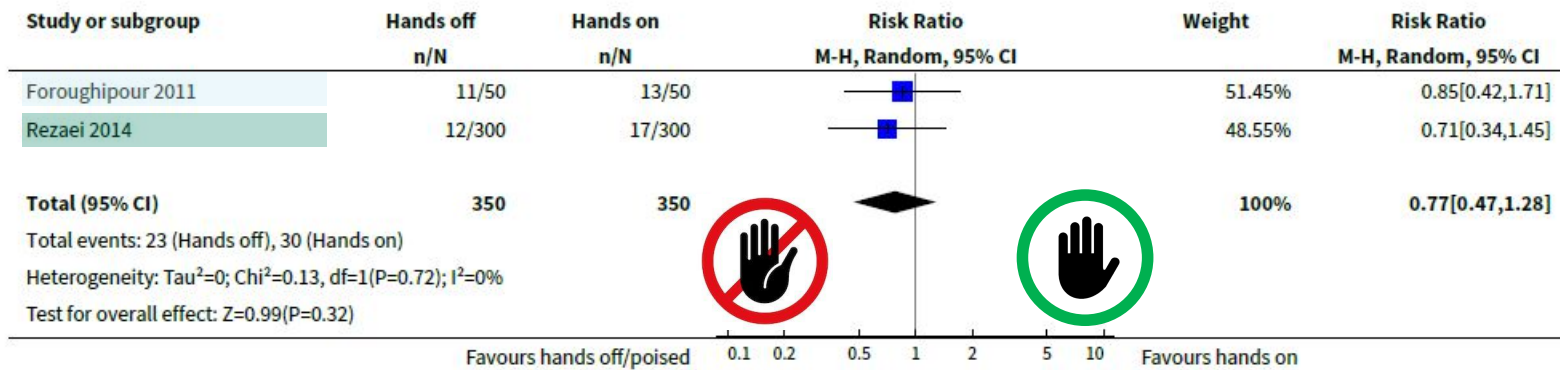
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Aabakke 2016	+	+	+	?	+	+	+
Albers 2005	+	+	+	?	+	+	+
Araujo 2008	+	?	+	+	+	?	?
Attarha 2009	?	?	+	+	?	?	+
Dahlen 2007	+	+	+	?	+	+	+
De Costa 2006	?	?	+	+	?	?	?
Fahami 2012	+	?	+	+	?	?	?
Foroughipour 2011	?	?	+	+	?	?	?
Galledar 2010	+	?	?	?	?	?	?
Geranmayeh 2012	?	?	+	+	?	?	?
Harlev 2013	?	?	?	?	+	?	+
Jönsson 2008	?	?	+	+	?	?	+
Lavesson 2014	+	+	+	?	?	?	?
Mayerhofer 2002	+	+	+	+	+	?	+
McCandlish 1998	+	+	+	?	+	+	?
Most 2008	+	+	+	?	?	?	?
Musgrove 1997	?	?	+	+	?	?	?
Rezaei 2014	+	+	+	+	?	?	?
Shirvani 2014a	?	?	+	?	?	?	+
Sohrabi 2012	?	?	+	?	?	?	?
Stamp 2001	+	+	+	+	+	+	+
Terre-Rull 2014	+	+	+	?	?	?	?



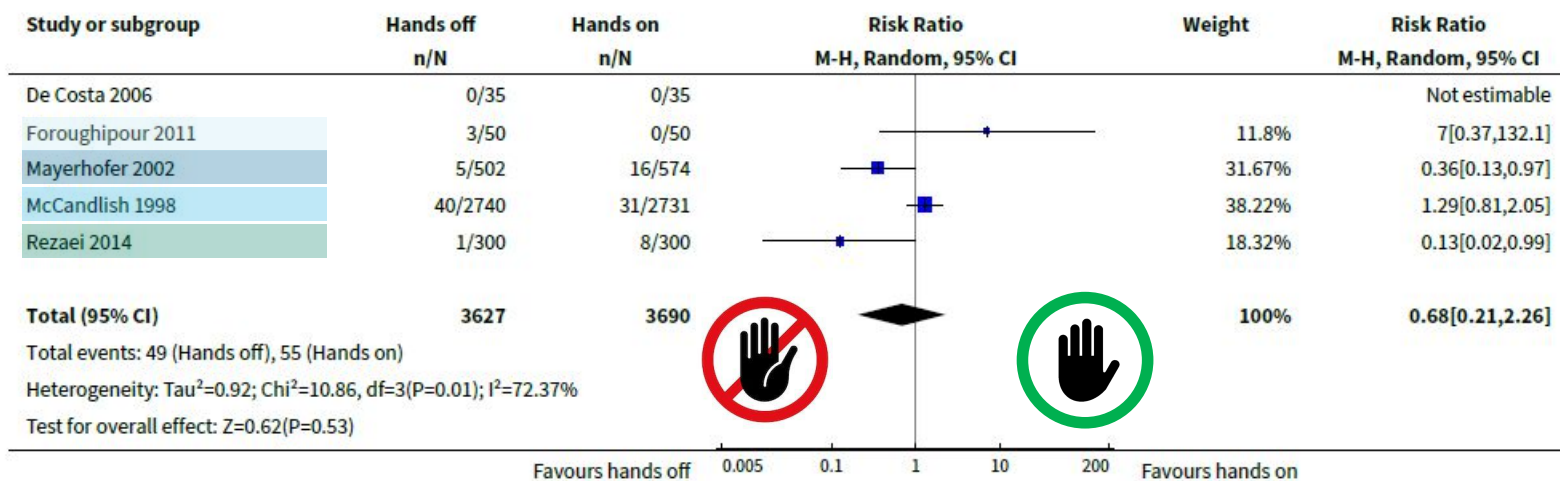
What does science have to say?

Should the foetal head be maintained?

Analysis 1.3. Comparison 1 Hands off (or poised) versus hands on, Outcome 3 2nd degree tear.



Analysis 1.4. Comparison 1 Hands off (or poised) versus hands on, Outcome 4 3rd or 4th degree tears.



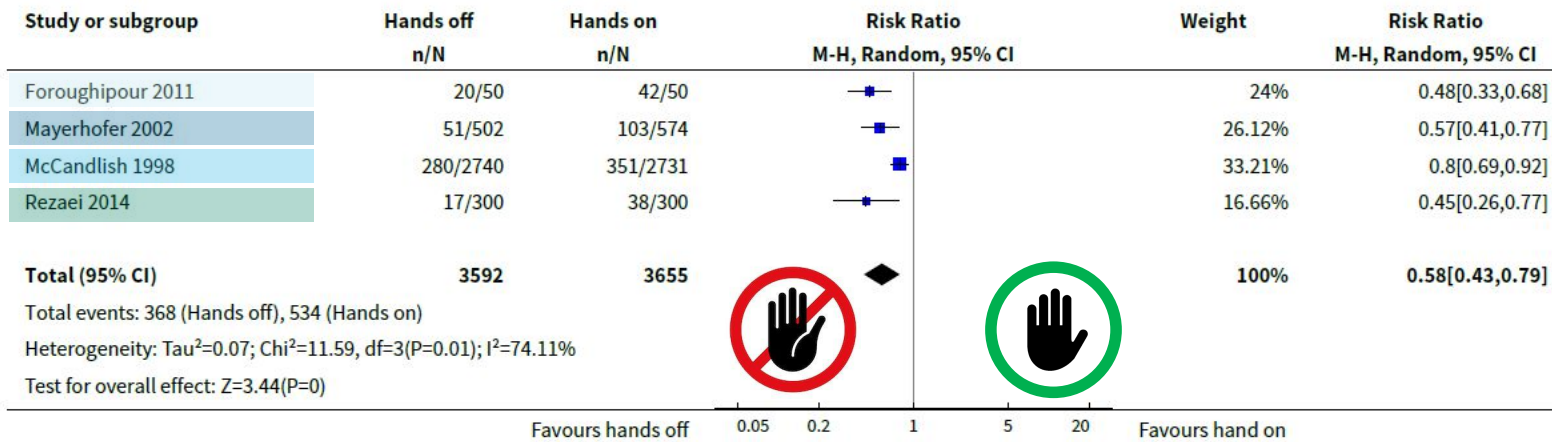
	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Aabakke 2016	+	+	+	?	+	+	+
Albers 2005	+	+	+	?	+	+	+
Araujo 2008	+	?	+	+	+	?	?
Attarha 2009	?	?	+	+	?	?	+
Dahlen 2007	+	+	+	?	+	+	+
De Costa 2006	?	?	+	+	?	?	?
Fahami 2012	+	?	+	+	?	?	?
Foroughipour 2011	?	?	+	+	?	?	?
Galledar 2010	+	?	?	?	?	?	?
Geranmayeh 2012	?	?	+	+	?	?	?
Harlev 2013	?	?	?	?	+	?	+
Jönsson 2008	?	?	+	+	?	?	+
Lavesson 2014	+	+	+	?	?	?	?
Mayerhofer 2002	+	+	+	+	?	?	+
McCandlish 1998	+	+	+	?	+	+	?
Most 2008	+	+	+	?	?	?	?
Musgrove 1997	?	?	+	+	?	?	?
Rezaei 2014	+	+	+	+	?	?	?
Shirvani 2014a	?	?	+	?	?	?	+
Sohrabi 2012	?	?	+	?	?	?	?
Stamp 2001	+	+	+	+	+	+	+
Terre-Rull 2014	+	+	+	?	?	?	?



What does science have to say?

Should the foetal head be maintained?

Analysis 1.5. Comparison 1 Hands off (or poised) versus hands on, Outcome 5 **Episiotomy.**



AUTHORS' CONCLUSIONS

Implications for practice



There was poor-quality evidence suggesting that “hands-off” techniques may reduce episiotomy, but these techniques had no clear impact on other important outcomes.

	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
Aabakke 2016	+	+	+	?	+	+	+
Albers 2005	+	+	+	?	+	+	+
Araujo 2008	+	+	+	+	+	?	?
Attarha 2009	?	?	+	+	?	?	+
Dahlen 2007	+	+	+	?	+	+	+
De Costa 2006	?	?	+	+	?	?	?
Fahami 2012	+	?	+	+	?	?	?
Foroughipour 2011	?	?	+	+	?	?	?
Galledar 2010	+	?	?	?	?	?	?
Geranmayeh 2012	?	?	+	+	?	?	?
Harlev 2013	?	?	?	?	+	?	+
Jönsson 2008	?	?	+	+	?	?	+
Lavesson 2014	+	+	+	+	?	?	?
Mayerhofer 2002	+	+	+	+	+	?	+
McCandlish 1998	+	+	+	?	+	+	?
Most 2008	+	+	+	+	?	?	?
Musgrove 1997	?	?	+	+	?	?	?
Rezaei 2014	+	+	+	+	?	?	?
Shirvani 2014a	?	?	+	+	?	?	+
Sohrabi 2012	?	?	+	+	?	?	?
Stamp 2001	+	+	+	+	+	+	+
Terre-Rull 2014	+	+	+	?	?	?	?





Manual perineal support at the time of childbirth: a systematic review and meta-analysis

S Bulchandani,^a E Watts,^b A Sucharitha,^c D Yates,^a KM Ismail^{a,d}

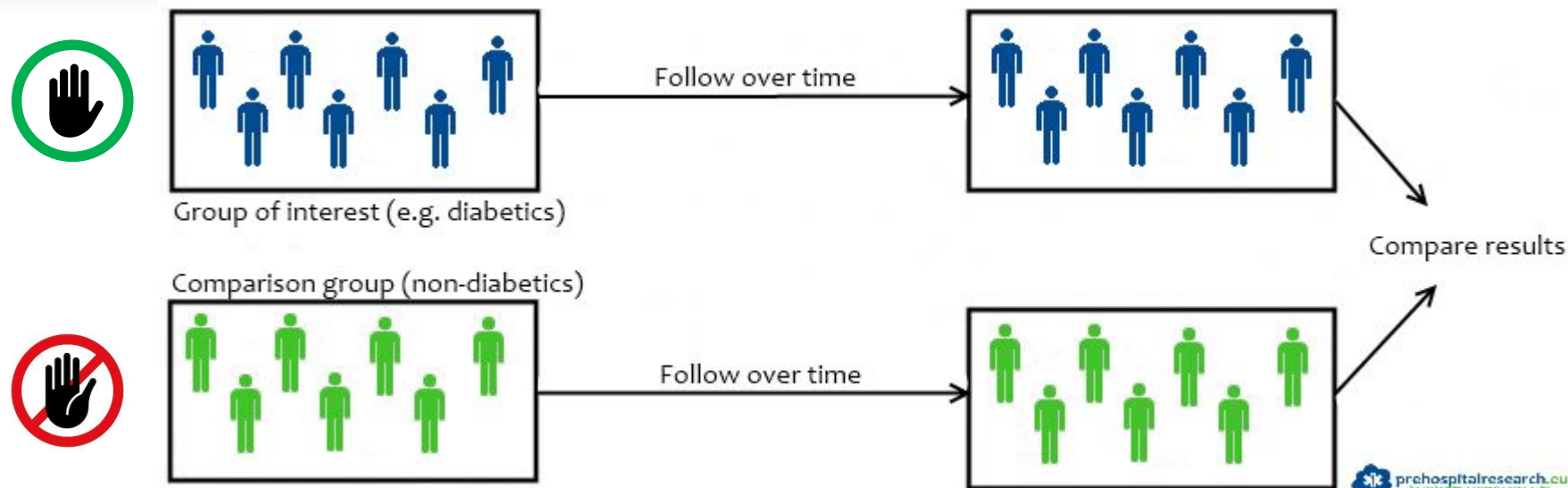
^a Birmingham Women's NHS Foundation Trust, Birmingham, UK ^b Medical School, University of Birmingham, Birmingham, UK ^c The Royal Wolverhampton NHS Trust, Wolverhampton, West Midlands, UK ^d The Birmingham Centre of Women's and Children's Health, School of

Clinical and Experimental Medicine, College of Medical and Dental Sciences, University of Birmingham, Birmingham, UK

Correspondence: Prof. KM Ismail, Birmingham Women's NHS Foundation Trust, Edgbaston, Birmingham B15 2TG, UK.

Email k.ismail@bham.ac.uk

Accepted 2 March 2015. Published Online 15 May 2015.



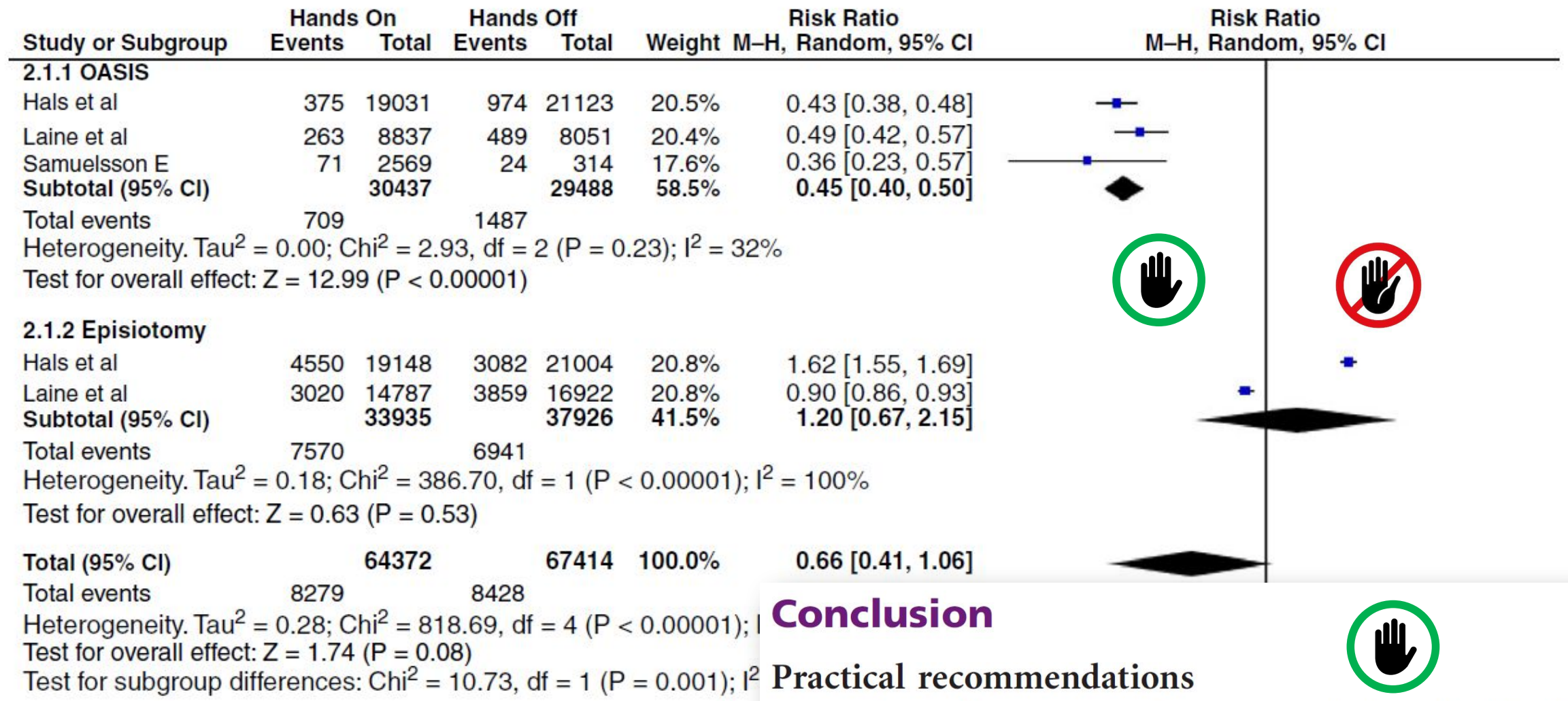


Figure 3. Prevalence of OASIS and Episiotomy in ‘hands on’ versus ‘hands off’ policy. Online publication: The original Figure 3 and Figure 4 were transposed and

Conclusion

Practical recommendations

Currently, evidence from the meta-analysis of RCTs is insufficient to drive change in practice; however, NRS meta-analysis results suggest that there might be a significant benefit in a ‘hands on’ policy.

Code CIM-10 : O70.2 ou O70.3

Déchirure compliquée (3 ou 4ème degré)



Table 1. Rates of third- and fourth-degree perineal tears by type of vaginal delivery in European countries in 2010.

Country/region coverage	No. of women with vaginal delivery	Rates of third- and fourth-degree perineal tears ^a					
		Total		Instrumental vaginal delivery		Non-instrumental vaginal delivery	
		1/100	95%CI	1/100	95%CI	1/100	95%CI
Cyprus (2007)	4055	0.5	0.3–0.7	1.4	0.0–2.9	0.5	0.3–0.7
Denmark	48 885	4.1	3.9–4.3	14.7	13.7–15.8	3.1	2.9–3.3
Estonia	12 426	0.9	0.7–1.1	5.3	3.7–6.9	0.6	0.5–0.8
Finland	50 574	1.1	1.0–1.2	3.0	2.6–3.5	0.9	0.8–1.0
France ^b	11 335	0.8	0.6–0.9	2.2	1.5–2.9	0.5	0.4–0.7
Germany	422 893	1.8	1.8–1.8	6.0	5.8–6.2	1.4	1.3–1.4
Iceland	4130	4.9	4.3–5.6	15.5	11.5–19.4	4.0	3.4–4.7
Latvia	14 548	0.4	0.3–0.5	2.0	0.4–3.5	0.3	0.2–0.4
Luxembourg	4567	2.5	2.1–3.0	7.0	5.0–8.9	1.8	1.4–2.2
Norway	51 352	2.3	2.1–2.4	6.9	6.3–7.5	1.6	1.5–1.8
Poland	265 654	0.1	0.1–0.1	0.5	0.3–0.7	0.1	0.1–0.1
Portugal ^b	55 938	0.7	0.6–0.7	1.7	1.4–1.9	0.4	0.3–0.5
Romania ^b	110 061	0.1	0.1–0.1	NA	NA	NA	NA
Slovenia	17 965	0.3	0.2–0.3	0.8	0.2–1.5	0.2	0.2–0.3
Sweden	94 247	3.5	3.3–3.6	12.5	11.8–13.2	2.6	2.4–2.7
Switzerland	52 647	3.1	3.0–3.3	7.4	6.8–7.9	2.3	2.1–2.4
The Netherlands	143 861	2.7	2.6–2.8	3.6	3.4–3.9	2.6	2.5–2.7
UK: England	495 973	3.2	3.2–3.3	6.7	6.5–6.8	2.5	2.5–2.6
UK: Wales	24 159	2.4	2.2–2.6	NA	NA	NA	NA
UK: Scotland	39 876	3.1	2.9–3.3	6.5	5.9–7.0	2.4	2.2–2.6

NA, data not available.

^aPer 100 vaginal deliveries.

^bSources: France: national representative sample of births, Portugal and Romania: births in public hospitals only.



91,4%



48,6%

Midwifery led units

Auteurs	Chantry AA et al.	Chantry AA et al.	Homer et al.	Brocklehurst et al.	Scarf VL et al.
Année	2019	2018	2019	2011	2018
Pays	France	France	Australie	Angleterre	Monde
	N=664	N=649	n= 1 251 420	n= 64 538	n= 28 études
	(%)	(%)	(%)	(%)	(%)
	[IC 95%]	[IC 95%]	[IC 95%]	[IC 95%]	[IC 95%]
Issues maternelles					
Mode d'accouchement					
Voie basse spontanée	(91,2)	(90,5)	(89,2)	(85,9)	(83,7)
Césarienne pendant le travail	(2,1)	(3,0)	(4,0)	(4,4)	(5,0)
Voie basse instrumentale	(6,7)	(6,5)	(6,0)	(9,1)	(7,9)
État du périnée					
Périnée intact	(43,4)	(48,7)	(30,0)	-	(36,4)
Déchirure simple ou superficielle	(55,4)	(47,5)	-	-	-
Déchirure du 3 ^{ème} et 4 ^{ème} degré/LOSA	(1,2)	(0,5)	(2,4)	(3,2)	(2,7)
Épisiotomie	(2,3)	(3,3)	(8,3)	(12,6)	-
Hémorragie sévère du post-partum (≥1000ml ou g)					
	(2,0)	(1,4)	-	-	(1,2)
<i>Actes de 2ème ligne si HPP</i>	(0)	(0)			
Transfusion de CGR	(0,2)	(0,2)	(0,3)	(0,9)	-
Transfert maternel en USI/Réa	(0)	(0)	(0,2)**	-	-
Décès maternel	(0)	(0)	-	(0)	-
Transfert postnatal mère	(7,9)	(6,1)	-	(4,3)	-
Durée séjour mère en jours	(1,6)	[1,0]	-	-	-
Ré-hospitalisation dans les 30j	(1,1)	(0,4)	(0,2)	-	-

XXV FIGO World Congress

Cape Town International
Conference Centre
October 2025

Registration opens
January 2025

● figo.org/events | #FIGO2025

