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Assessment of significant factors affecting acceptability of home administration of misoprostol for medical termination of pregnancy

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Medical abortion

- Can be performed at all gestational lengths
- Constitutes more than 86% of all abortions before 9weeks + 0days in Sweden (63 days)
- Mifepristone 200mg
 - 24-48 hours later 4 tablets of 0,2mg misoprostol vaginally, (<7weeks + 0days (49 days) 2 tabl miso may be given orally)
 - If no or very little bleeding occurs within 3 hours- 2 tabl of misoprostol are given orally¹.

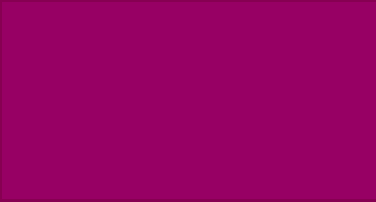


Why home administration?

- Clinic administration not medically necessary¹
- Privacy
- Choose who to be with
- More natural and calm
- Dislike of hospital environment



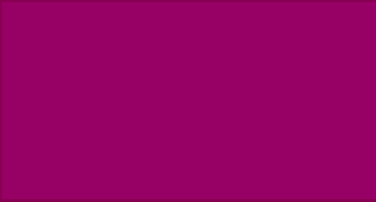
Schaff E et al, Vaginal misoprostol administered at home after mifepristone (RU 486) for abortion, J Fam Pract 1997



Home-use of misoprostol- Europe

- 2003 Swedish National Board of Health and Welfare allowed research into home-use of misoprostol
- 2004 it was allowed in clinical routine
- Now allowed in several countries in Europe
- Several studies from the UK show that women would welcome choice of home-use of misoprostol²

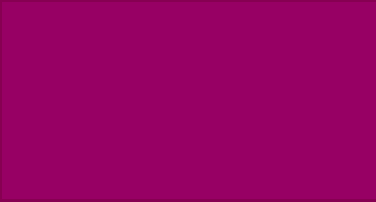
² Hamoda H, et al . The acceptability of home medical abortion to women in UK settings. BJOG 2005;112(6):781-5,



First Swedish study in 2003¹

- 100 women with gestational length max 7 weeks + 0 days (49days)
- Majority had given birth
- 98% efficacy
- 96% acceptability

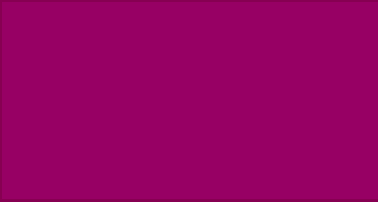
¹ Acceptability of home-use of misoprostol in medical abortion. Fiala C, Winikoff B, Helström L, Hellborg M, Gemzell-Danielsson K. Contraception. 2004 Nov;70(5):387-92



Second Swedish study¹

- 2004-2006 Karolinska University Hospital
- Max 9 weeks + 0 days (63 days) gestation
- 395 women in clinical routine
- No difference in acceptability if very early (< 50 days) or early (>49 days but max 63 days) medical abortion

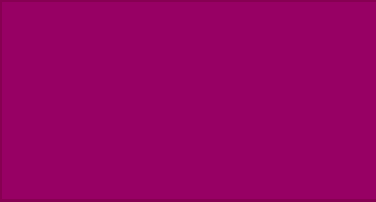
¹ Home self-administration of vaginal misoprostol for medical abortion at 50-63 days compared with gestation of below 50 days. Kopp Kallner H, Fiala C, Stephansson O, Gemzell-Danielsson K. Hum Reprod. 2010 May;25(5):1153-7. Epub 2010 Feb 19



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Assessment of significant factors- Method

- Women filled in questionnaires before, during and after abortion
- Analyzed using logistic regression after recoding into categorical variables
- Experience in relation to expectation
- Would prefer home use if abortion in future



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Results

- Acceptability was high (286/395, 72,4%).
- 34 women (8,6%) would prefer clinic administration
- 49 women did not respond

¹ Assessment of significant factors affecting acceptability of home administration of misoprostol for medical termination of pregnancy. Kopp Kallner H, Fiala C, Gemzell-Danielsson K. Contraception 85 (2012) 394-397

Results



NB! U-hcg 500IE

Variable	p value	OR	95% CI (OR)	
			Lower	Upper
Parity	.003	2.498	1.354	4.608
Positive urine hCG	.000	10.381	4.938	21.823
Calm after misoprostol	.003	3.283	1.519	7.095

¹ Assessment of significant factors affecting acceptability of home administration of misoprostol for medical termination of pregnancy. Kopp Kallner H, Fiala C, Gemzell-Danielsson K. Contraception 85 (2012) 394-397

Results



Variable	p value	OR	95% CI (OR)	
			Lower	Upper
Positive urine hCG (500 IU)	.002	3.831	1.618	9.068
Accompanying person present	.021	.221	.061	.799
Extra pain medication	.090	2.124	.889	5.072

¹ Assessment of significant factors affecting acceptability of home administration of misoprostol for medical termination of pregnancy. Kopp Kallner H, Fiala C, Gemzell-Danielsson K. Contraception 85 (2012) 394-397



Conclusion

- Producing realistic expectations in women is important
- Emphasis on what is normal
 - Pain
 - Bleeding with clots
 - Information on normal post-abortion symptoms/follow up
 - Women should be encouraged to have partner/friend present

¹ Assessment of significant factors affecting acceptability of home administration of misoprostol for medical termination of pregnancy. Kopp Kallner H, Fiala C, Gemzell-Danielsson K. Contraception 85 (2012) 394-397



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Thank you!

www.misoprostol.org

www.fiapac.org

www.womenonweb.org