



BỆNH VIỆN PHỤ SẢN TRUNG ƯƠNG

National Hospital of Obstetrics and Gynecology

**EFFICACY AND SAFETY OF REGIMEN USING
MIFEPRISTONE PLUS MISOPROSTOL TO
TERMINATE PREGNANCY FROM 10 TO 12 WEEKS
OF GESTATIONAL AGE AT THE NATIONAL
HOSPITAL OF OBSTETRICS AND GYNECOLOGY**

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INTRODUCTION

- In recent years, the rate of abortion in our country has continuously increased.
 - There are many methods of abortion between 6 and 22 weeks of age.
 - Studies showing that medical abortion is better than surgical abortion
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INTRODUCTION

- However, 10-12 weeks gestation in Viet Nam mainly use vacuum method.
- Surgical abortion has a high risk of physical and mental injury, which can have serious consequences later on, such as: infertility, GEU...
- Studies show that the regimen using MFP plus MSP to terminate pregnancy, which was more effective and safe than MSP alone.



INTRODUCTION

- *Efficacy and safety of the regimen using MFP plus MSP to terminate pregnancy from 10 to 12 weeks of gestational age at the national hospital obstetrics and gynecology.*
- *Objective: To assess the efficacy and safety of the regimen using mifepristone plus misoprostol to terminate pregnancy from 10 to 12 weeks of gestational age*



SUBJECTS AND METHODS

- Clinical trial, prospective follow-up of 60 pregnant women from 10 to 12 weeks gestational age requesting abortion at the national hospital obstetrics and gynecology from 10/2015 to 03/2016.
- **Regimen:** All women received MFP 200mg orally, followed by 800 mcg MSP vaginally 24 or 48 hours later. 400mcg MSP was repeated every 3 hours sublingually, to a maximum of five doses if needed.



RESULT AND DISCUSSION

3.1. Characteristics of womens in the study

Maternal age (mean \pm SD)	26,77\pm 4,26 years	
Gestation(mean \pm SD)	11,05\pm 0,66 wks	
Marital status	Unmarried	40(66,67%)
	Married	20(33,33%)
History of delivery	Nulliparity	41(68,33%)
	Multiparity	19(31,67%)



RESULT AND DISCUSSION

3.2. The results of the study

The successful termination rate	60(100%)
Mean IAI (mean \pm SD)	5,47 \pm 1,54 (hrs)
Duration of stay(mean \pm SD)	1,03 \pm 0,17 (days)
Time vaginal bleeding(mean \pm SD)	11,82 \pm 2,85 (days)
Time delivery of the placenta(mean \pm SD)	125,84 \pm 92,67(mins)
Total dose of MSP (mean \pm SD)	1373,33 \pm 237,12 mcg



RESULT AND DISCUSSION

- The successful termination rate: Lokeland (2010) was 91,7%, Joensuu-Manninen(2015)was 90%.
- Mean induction abortion interval: Hamoda (2005) was 5.4hrs; Nilas. L (2007) was 9,8 hrs; Nguyen T L Hương (2012) was 8,32 hrs; Dickinson (2014) was 7,4 - 9,5 hrs.
- Duration of stay hospital: Dickinson (2014) was 25,8 hrs.



RESULT AND DISCUSSION

- Mean total dose of MSP: Nalini Sharma (2017) was $1247,059 \pm 191,066$ mcg và $1405,714 \pm 280,69$ mcg; Nguyen T L Hương (2012) was 1240 ± 386 mcg; Akkenapally(2016) was $1046 \pm 392,71$ mcg



RESULT AND DISCUSSION

3.3. *Rate of abortion according to IAI*

IAI	Rate of abortion according to IAI		
	n	%	% cộng dồn
< 3h	0	0	0
3 – 6h	37	61,67	61,67
6 – 9h	21	35	96,67
> 9h	2	3,33	100
Σ	60	100,0	

Tang O.S (2005) rate of abortion in first 6 hrs was 58,6%; Agarwal. N (2014) was 57,5%; Nguyễn T L Hương was 21,85%.



RESULT AND DISCUSSION

3.4. Rate of placenta delivery according to time

Time(mins)	Rate of placenta delivery		
	n	%	% cộng dồn
0	2	3,33	3,33
0 - 10	1	1,67	5,00
11- 30	12	20,00	25,00
> 30	45	75,00	100
Σ	60	100	

Nguyễn T L Hương rate of placenta delivery in first 30 mins was 100%.



RESULT AND DISCUSSION

3.5. Side effects

Side effects	n	%
Lower abdominal pain	58	96,67
Fever $\geq 37,5^{\circ}\text{C}$	13	21,67
Nausea & vomiting	18	30,00
Diarrhea	23	38,33
Headache	17	28,33
Dizziness	20	33,33



CONCLUSION

- The successful termination rate was 100%.
- Mean induction-to-abortion interval 5.47 ± 1.54 hours.
- Mean total dose of MSP 1373.33 ± 237.12 mcg.
- There were no major complications.
- Side effects: lower abdominal pain 96.67%, fever 21.67%, diarrhea 38.33%, nausea & vomiting 30%, headache 28.33%, dizziness 33.33%.



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THANK YOU!

