

INTRODUCTION

Ovaprene[®]: a novel **hormone-free** monthly intravaginal contraceptive candidate

VIRTUAL

- Once-monthly use: Inserted at the end of menses and left in place until the next menses
- No interruption of intercourse
- **Two parts** work together to prevent pregnancy:
 - Knitted polymer **barrier** across the opening of the ring to physically block sperm from entering the cervix, while allowing egress of cervicovaginal fluids.
- Vaginal ring releasing locally acting non-hormonal **ferrous gluconate** to impede sperm motility.

AIM OF STUDY

Determine the reduction in the number of progressively motile sperm that enter midcycle cervical mucus when **Ovaprene** is in place compared with when **no device** is in place.

METHODS

Subjects: Premenopausal women with tubal sterilization and regular cycles. Studied during 3 menstrual cycles:

Baseline cycle (no device)			First Ovaprene cycle				Second Ovaprene cycle			
Mucus check	Sex	Postcoital test	Insert Ovaprene	Mucus check	Sex	Postcoital test	Insert Ovaprene	Mucus check	Sex	Postcoital test
In each cycle, urine ovulation predictor kits were used to determine midcycle. At the midcycle mucus check visit, cervical mucus was examined to confirm midcycle characteristics and absence of sperm.			In each were d interco Cervica midcyc numbe	<u>cycle</u> , po one 2-3 h urse. I mucus v le charact r of sperr	stcoit ours a vas ex ceristi n.	tal tests after camined for cs and				
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Successful Postcoital Test Results of a Novel Monthly Hormone-Free Vaginal Contraceptive

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RESULTS

- 26 baseline cycles completed
- 49 Ovaprene cycles completed
- All Ovaprene cycles met criterion for success: average of <5 progressively motile sperm per high power field
- Average # of progressively motile sperm was reduced from 27.2 in baseline cycle to 0.5 in Ovaprene cycle
- Results were not affected by BMI, history of vaginal delivery, or previous vaginal ring use

REFERENCES

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4 sites: Eastern Virginia Medical School, Norfolk, VA; Clinical Research Prime, Idaho Falls, ID; Oregon Health & Science University, Portland, OR; University of Pennsylvania, Philadelphia, PA





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CONCLUSIONS

- The criterion for a successful postcoital test was met by all participants in all Ovaprene PCT cycles.
 - This result held true regardless of BMI, history of vaginal delivery or prior vaginal ring use.
- Postcoital test studies of other vaginal methods showed that results like these were associated with 6-month typical use effectiveness rates corresponding to 86%-91% effectiveness.
- A pivotal study is planned in which women at risk of pregnancy will use the device for 6-12 months and actual contraceptive efficacy will be assessed.

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