A prospective, open-label, single arm, multicentre study to evaluate efficacy, safety and acceptability of the pericoital oral contraception using levonorgestrel 1.5 mg.

Current Project Brief

**Objectives and Background**
LNG 1.5 mg is an effective emergency contraception following unprotected intercourse. Some users take it repeatedly, as their means of regular contraception. Will the use of levonorgestrel (LNG) 1.5 mg taken at each day of coitus by women who have relatively infrequent sex be an efficacious, safe and acceptable contraceptive method?

**Geographic location**
In four centers in Brazil, Hungary, Singapore, and Thailand

**Main deliverables**
There were 321 women who were included in the evaluable population, with 141.9 W·Y of observation and with a rate (95% Confidence Interval [CI]) of 7.1 (3.8; 13.1) pregnancies per 100 W·Y of typical use, and 7.5 (4.0; 13.9) pregnancies per 100 W·Y of sole use. In the primary evaluable population (less than 35 years old, the rate was 10.3 (5.4; 19.9) pregnancies per 100 W·Y of typical use, and 11.0 (5.7; 13.1) pregnancies per 100 W·Y of sole use. There were three reported severe adverse events and 102 other mild adverse events, with high recovery rate. The most common were headache, nausea and abdominal and pelvic pain. Vaginal bleeding patterns showed a slight decrease in volume of bleeding and the number of bleeding-free days increased over time. There was only one case of severe anaemia found at the final visit (0.4%). The method was considered acceptable, as over 90% of participants would choose to use it in the future or would recommend it to others.

The paper has been submitted for journal publication. It has been presented at the FIGO World Congress of OB-GYN in Vancouver and for presentation at other international congresses.

**Partners**

**Sources of funding**
Gynuity through a grant from BMGF provided support for the monitoring of the study.

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