

## Real-world experience with the IUB Ballerine MIDI copper IUD: an observational study in the French-speaking region of Switzerland

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### Abstract

Objective: The aim of the study was to assess the acceptability of the intrauterine ball IUB Ballerine MIDI copper intrauterine device (IUD), using real-world data collected from users and physicians. Methods: In this retrospective, observational study, conducted in the French-speaking region of Switzerland, healthy women (n=207) who had had an IUB Ballerine MIDI inserted  $\geq 12$  months before enrolment, and their physicians completed questionnaires relating to device insertion, user experience and outcome. Questions relating to current menstrual patterns, physical comfort and product satisfaction were only posed to women still using the device. Results: The mean age at insertion was  $30.8 \pm 7.2$  years, with an average  $14.2 \pm 2.9$  month lapse from time of insertion until study commencement. At the time of the study, 140 (67.6%) women were still using the device. The expulsion rate was 5.3% (n=11) and the pregnancy rate was 1.4% (n=3). Most of the women still using the device reported no to moderate pain or cramps (80.7%). The majority of women reported moderate to high (65.7%) satisfaction with the [...]

### Reference

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1. Is the intra-uterine copper device (IUB) inserted by your gynecologist at least 12 months ago still in place?

☐ Yes ☐ No

1.1. Date when this IUB was removed

1.2. Reason why this IUB was removed (*tick all that apply*)

- ☐ Spontaneous expulsion  
☐ Heavy menstrual bleeding  
☐ Severe cramps  
☐ Wanted another form of contraception  
☐ Wanted to get pregnant  
☐ Pregnancy  
☐ Other, please specify:

1.3. Did you get pregnant after removal of this IUB?

☐ Yes ☐ No

1.3.1. How long did it take you to become pregnant after removal of this IUB?

☐ Day(s)  
☐ Month(s)

1.3.2. Did you plan to get pregnant?

☐ Yes ☐ No

1.3.3. Did you use a different contraception method after removal of this IUB?

☐ Yes ☐ No

## 2. Menstrual bleeding over the last three months

2.1. Average duration of menstrual bleeding (days)

2.2. Over the past three months, which of the following best describes the blood loss during your periods?

- ☐ Light bleeding - i.e. less than 1 sanitary pad or tampon over 8 hours  
☐ Moderate bleeding - i.e. use of 1 sanitary pad or tampon (or less) over 3 hours  
☐ Heavy bleeding - i.e. Need to change sanitary pad or tampon every 1 to 2 hours

2.3. Over the past three months, which of the following best describes the pain/cramps associated to your periods?

- ☐ No pain or cramps  
☐ Light pain or cramps  
☐ Moderate pain or cramps  
☐ Severe pain or cramps  
☐ Unbearable pain or cramps

2.4. Over the past three months, which of the following best describes your periods?

Pleasant

☐ 1

☐ 2

☐ 3

☐ 4

Acceptable

☐ 5

☐ 6

☐ 7

☐ 8

☐ 9

Unbearable

☐ 10

3. We would like to have your feedback on the following since insertion of the most recent IUB

3.1. How satisfied are you with the IUB?

Very satisfied

☐ 1

☐ 2

☐ 3

☐ 4

Satisfied

☐ 5

☐ 6

☐ 7

☐ 8

☐ 9

Very dissatisfied

☐ 10

3.2. How would you describe your period now compared to before the IUB was inserted?

Much better

☐ 1

☐ 2

☐ 3

☐ 4

Same

☐ 5

☐ 6

☐ 7

☐ 8

☐ 9

Much worse

☐ 10

3.3. Would you recommend this IUB to a friend / close relative?

- ☐ Yes  
☐ No  
☐ Prefer not to answer

Thank you for your time taken to complete this questionnaire.