

22.02.2013

**Title:** Operational Report BOWA – ARC 400 / MetraLOOP®

The District Hospital in Dormagen, Germany, is an associated teaching hospital of the University of Cologne. The Gynaecology and Maternity Department has over 48 beds and an interdisciplinary outpatient oncology ward. The Gynaecological Clinic Dormagen is a specialist clinic for minimally invasive surgery. Each year, roughly 500 laparoscopic hysterectomies are carried out in Dormagen. Laparoscopic descensus and carcinoma surgery are the clinic's areas of expertise. The Head of the Department, Dr G.K. Noé, is one of the first German gynaecological surgeons to be granted MIC III certification as specified by the German Gynaecologic Endoscopy Working Group (AGE). About 2000 operations are carried out annually at the Gynaecological Clinic.

An observational study was carried out on the MetraLOOP® in combination with the electrosurgical unit ARC 400 between 10.2011 and 01.2013.

**Indications:**

- LASH postmenopausal, usually descensus surgery LASH
- 45 patients

During the laparoscopic supracervical hysterectomy procedure the loop is used to detach the uterine corpus from the cervix.

The loop is inserted through a 10 mm port placed above the symphysis pubis in the midline. Various loop sizes are employed depending on the actual size of the uterus.

After opening the loop inside the abdomen, forceps are used from the left side to grasp the uterus through the loop, which is then placed over the uterus. Once

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**Clinical consultation**  
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Phone: 00 49 (0)2133 66 2601

**Incontinence consultation**  
By appointment only  
9 am to midday

**Breast screening special consultation**  
Dr med. R. Gentz  
DEGUM Stage II for breast ultrasound  
Daily (early diagnosis)  
By appointment only

**Registration for maternity services**  
Book by telephone  
Phone: 00 49 (0)2133 66 2690

Registration for birthing plan

**Obstetric examinations**  
**Dual ultrasound, amniocentesis**  
Head of the Department  
Monday and Wednesday 8am to 4pm  
Thursday 8am to 7pm  
Friday 8am to 2pm  
Assistant Ms Mohrs  
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the loop has been locked in place around the narrow area between the uterus and cervix, the position of the loop is checked. The bowels and other organs are moved out of the way before the loop is fully tightened and the foot pedal actuated.

**Summary:**

**MetraLOOP®:**

**Handling:** Assembly is simple. Due to its actual length, handling of the instrument is somewhat unfamiliar but generally unproblematic. It appears to be robust without any signs of product weaknesses.

**Application:** Positioning of the loop is simple, as the opening is easy to control. The response time is extremely short and the incision usually occurs in 2-3 seconds. The loop leaves a perfectly clean and hemostatic cut.

**Wear material:** The reusable part is extremely elastic and resistant to deformation. Even maximum bending action does not result in permanent deformation; and no defects have been noted.

**HF generator ARC 400:**

The HF generator supplies a special current that enables exceptionally quick response times and precise incisions. Comparable systems are much slower and produce a lot more smoke.

Use of the HF generator ARC 400 in combination with the generally reusable instrument enables us to further reduce surgery time. The surgery team does not have to worry about unpleasant smoke caused by the monopolar hook or resort to using high-cost intensive alternatives, such as ultrasonic systems.

For high frequencies of surgery sessions, the HF generator delivers substantial cost savings compared to disposable materials.