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استعمال التخدير الموضعي في تنظيف باطن الرحم  
التشخيصي

وتنظيف الحوض عن طريق رتج دوغلاس في العيادة  
الخارجية

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الملخص

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Paracervical

Midazolam

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**Midazolam**

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# **The Use Of Local Anaesthesia In Diagnostic Out-Patient Hysteroscopy And Culdoscopy**

**Wael Nassar\***

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## **Abstract**

### **Objective:**

**This study evaluates the efficacy and the safety of local anaesthesia with lidocaine spray to avoid the need for additional or general anaesthesia and reducing pain during out-patient hysteroscopy.**

**This study evaluates also the efficacy and the safety of local anaesthesia with paracervical injection of lidocaine and giving of midazolam intravenously during out-patient culdoscopy.**

### **Design:**

**Prospective study between 01.03.1999 and 30.06.1999.**

### **Patients:**

**62 patients underwent out-patient hysteroscopy clinic between 01.03.1999 and 30.06.1999. Culdoscopy performed in 10 of them as infertility-workup.**

### **Setting:**

**Out-patient hysteroscopy clinic in the University Hospital of Vienna.**

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#### **Interventions:**

The procedures were performed after application of lidocaine spray to the cervix, cervical canal during out-patient hysteroscopy.

Culdoscopy was performed after giving of Midazolam intravenously and local injection of lidocaine at the junction of the cervix and posterior vaginal fornix.

#### **Main Outcome Measures:**

Evaluation of pain at various steps of the hysteroscopy and culdoscopy.

Evaluation of the need for additional or general anaesthesia.

#### **Results and Conclusions:**

The use of the local anaesthesia reduced the need for additional and general anaesthesia at out-patient hysteroscopy.

Additionally it reduced the pain experienced at out-patient hysteroscopy. Furthermore, throughout the use of television technology, it is possible to permit the patient to observe the procedure of hysteroscopy or culdoscopy, a factor that certainly enhances understanding of all procedures.

This method could applied in many indications such as infertility and abnormal uterine bleeding.

The use of local anaesthesia by paracervical injection of lidocane and giving of Midazolam intravenously during out-patient diagnostic culdoscopy is efficient and avoid the need for general anaesthesia.

Chromopertubation was performed in all out-patient culdoscopy to evaluate the function of tubes.

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مقدمة عامة

Endoscopy

Pantaleoni

Hysteroscopy

Hysterosope

Kalk

Raoul Palmer

Trendelenburg

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الأوساط المستعملة لتنظيف باطن  
الرحم

(

١- الهيسكون (دكستران ٧٠) **Hyskon**

تنظيف باطن الرحم  
**Hysteroscopy**

٢- غاز ثاني أكسيد الفحم  $CO_2$

[1] Lindeman

Siegler

[2] Kemmann

YAG

٤- المحلول الملحي الفيزيولوجي، محلول  
رينغرا لاكتات

[3] Quinones

استطبابات تنظير باطن الرحم  
الجراحي

٤- محلول الغليسرين ١,٥%

[4,5](March  
uterine

Decherney)

synecchia

تقانة تنظير باطن الرحم التشخيصي  
والعلاجي

[6] (March)

endometrial

.uterine polyps

.ablation

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مضاعفات تنظير باطن الرحم  
الجراحي

Laparoscopy

[7] Howard

[8] Neely

[9] Mintz

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تنظير الحوض عن طريق رتج  
Culdосcopy دوغلاس

Veress needle

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[13]

[10]

مقدمة البحث

[14]

abnormal

infertility

الهدف من البحث

uterine bleeding

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out-

(vagal stimulation :

patient clinic

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[12]

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midazolam

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تفانة إجراء تنظيف باطن الرحم

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عينة البحث والطرائق المستعملة

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تقانة تنظير الحوض عن طريق رنج  
دو غلاس

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[11]

Midazolam

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Roche

Dormicum

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Intracervical

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Diazepam

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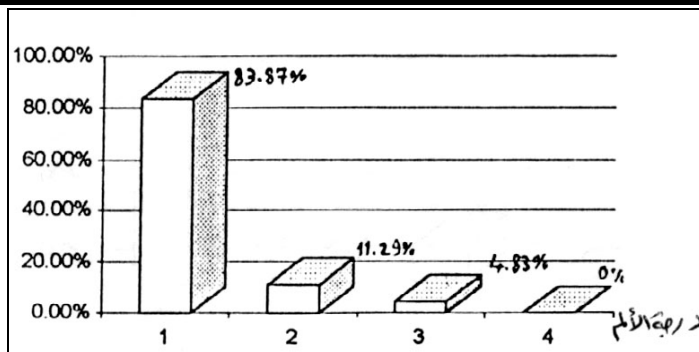
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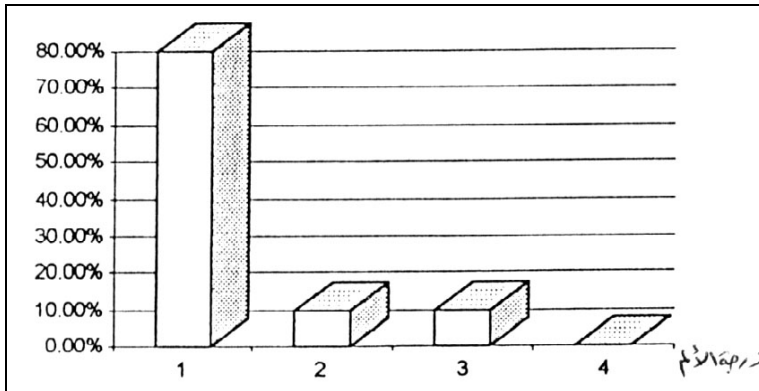
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المناقشة

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[14]      .[16]  
            Zupi

[11]      Cicienelli

[17]

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.out-patient

Midazolam

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