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Sutal FOR RESERRE	Original Research Paper Obstetrics & Gynaecology			
1/7/ternational	A RANDOMISED CONTROLLED TRIAL COMPARING DURATION OF HOSPITAL STAY AMONG WOMEN WITH POST-OPERATIVE INDWELLING BLADDER CATHETER DRAINAGE VERSUS NO CATHETER FOLLOWING NON DESCENT VAGINAL HYSTERECTOMY			
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ABSTRACT The ob or with	jective of this study is to assess the duration of hospital stay among women undergoing NDVH with out indwelling bladder catheter.			

Setting: Gynecology department of Dr. Rajendra Prasad Medical College & Hospital. Population: Women scheduled for non descent vaginal hysterectomy. We randomly assigned 60 women who underwent NDVH to two groups. The in-dwelling catheter was removed after 24 hours of operation. Data regarding duration of hospital stay was recorded.

Main outcome measures: We estimated duration of hospital stay among women undergoing NDVH.

RESULTS: In catheter and no catheter group, duration of hospital stay was <3 days in 90% (27/30) and 96.7% (29/30) women respectively. There was no statistically significant difference in both the groups with respect to duration of hospital stay, (p value = 0.612).

CONCLUSION: Post-operative foley's catheter does not add to additional benefit. This suggest that use of foley's catheter for 24 hours post-operatively appears unnecessary for anticipated patient comfort, monitoring urine output or surgeon convenience in uncomplicated NDVH.

KEYWORDS : foley's catheter, NDVH

INTRODUCTION

Hysterectomy is one of the most commonly performed surgeries in gynecology worldwide.¹ Nowadays a spectrum of approaches available for performing hysterectomy e.g. abdominal, vaginal, and laparoscopic or combination of these.² In recent times, there has been clear evidence in the favor of vaginal route over abdominal and laparoscopic route of hysterectomy. To prevent iatrogenic injury to the bladder, foley's catheter was placed in all women undergoing hysterectomy.³ However, there is limited support for the use of foley's catheters for the first 24 hours after routine hysterectomy.⁴ Duration of post-operative foley's catheter evidence. Although several trials addressed the issue of the duration of catheterization after surgery, there was not enough evidence to show that any policy was better than another.⁵

MATERIAL AND METHODS

This randomized controlled study was conducted in the Department of Obstetrics and Gynecology at Dr. Rajendra Prasad Government Medical College and Hospital, Kangra at Tanda, H.P.

After taking informed consent sixty women undergoing NDVH, were recruited in the study provided they fulfill following criteria:

Inclusion Criteria

NDVH for benign gynecological indications

Exclusion Criteria

- POP <u>></u> stage 1 (Annexure III)
- Suspected/confirmed malignancy
- Diagnosis suspicious for endometriosis
- Large tubo-ovarian absess
- Ovarian cysts
- Previous pelvic surgery by abdominal approach
- Pelvic inflammatory disease

METHODOLOGY

After careful assessment by senior consultant, all women planned for NDVH (as per standard indications) were enrolled for recruitment in the study after taking informed consent. A total of sixty women were randomized on the basis of computer generated random numbers table to either of the two groups:

Group 1- A total of thirty women were randomized to this group and indwelling foley's catheter was inserted for 24 hours postoperatively.

Group 2- A total of thirty women were randomized to this group and no indwelling catheter was inserted post-operatively.

Type of anesthesia was left to the discretion of the anesthesiologist in consultation with the patient. After preparation of the lower abdomen, vagina and perineum with povidine-iodine solution, the perineum was draped with sterile towels. Labial sutures were applied. Urinary bladder (UB) was emptied by metallic catheter. Hydrodissection was done with normal saline mixed with adrenaline 1:2,00,000 dilution.

Circular incision was given on the cervix. Anterior and posterior vaginal walls were dissected. Uterovesical fold and pouch of douglas were opened, respectively. Bilateral uterosacral and transverse cervical ligaments were clamped, cut, ligated and transfixed. Bilateral uterine arteries were clamped, cut and ligated, uterus was bissected. Bilateral cornual structures were clamped, cut, ligated and transfixed. Uterus delivered. Internal and external McCall sutures were applied. Vagina was closed. No vaginal packing was used. Intra-operative findings were noted, including operating time and estimated blood loss.

RESULTS

In group 1 and group 2, duration of hospital stay was <3 days in 90% (27/30) and 96.7% (29/30) women respectively. There was no statistically significant difference in both the groups with respect to duration of hospital stay, (p value = 0.612).

Table 1: Duration Of Hospital Stay

		Group 1 (n=30)	Group 2 (n=30)	p value	
•	<3 days [#] (n)	27	29	0.612	
*Data ourprogood as froguenau					

^{*}Data expressed as frequency

DISCUSSION

Hysterectomy is one of the most commonly performed

surgeries in gynecology worldwide.⁶ Post-operative foley's catheter use after major uncomplicated gynecologic surgery has been the standard method of practice.⁷ However, there is limited evidence available for support of foley's catheter use after surgery.⁸ In this context, we planned this pilot study to evaluate the need for using post-operative foley's catheter after NDVH.

Duration Of Hospital Stay

Duration of hospital stay was not found to be statistically significantly different in both the study groups (p = 0.612).

These observations are in contrast to those observed by Alessandri et al.^{\circ}, in which duration of hospital stay was significantly higher in foley's catheter group (p < 0.05).

CONCLUSION

Post-operative foley's catheter use in women undergoing NDVH offers no distinct advantage when compared with respect to duration of hospital stay.

Abbreviations: NDVH: non descent vaginal hysterectomy

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