

# THE EFFECT OF UROSHIELD ON PAIN AND DISCOMFORT LEVELS IN PATIENTS RELEASED FROM THE EMERGENCY ROOM WITH URINARY CATHETER DUE TO URINE INCONTINENCE

## **Introduction**

Urinary catheter carries some risks for the patients. Among them are pain, spasm, discomfort, blocking of the catheter, infection etc...

Acoustic energy has the potential to reduce some of these risks. In this study we tested the effect of UroShield on pain and discomfort in patients that were released from the ER with urinary catheter

## **Study design**

This is an open label, treatment study

## **Sample size**

10 subjects were recruited to the study

## **Study procedures**

The overall plan for all subjects consists of the following elements:

1. Subjects were assessed for their eligibility to participate in the study according to the inclusions/exclusions criteria
2. 24h following discharge from the ER, the UroShield was attached to the catheter and activated A basal questionnaire was filled out by the subject
3. A daily questionnaire was filled out by the subject via phone call
4. Study termination

## **Study objectives**

This study is aimed to assess effectiveness of the UroShield to reduce pain and discomfort levels and improve the well being of the subject

### **Efficacy objectives**

- To reduce pain, spasm, burning and itching sensation levels of the subject
- To improve the well-being of the subject

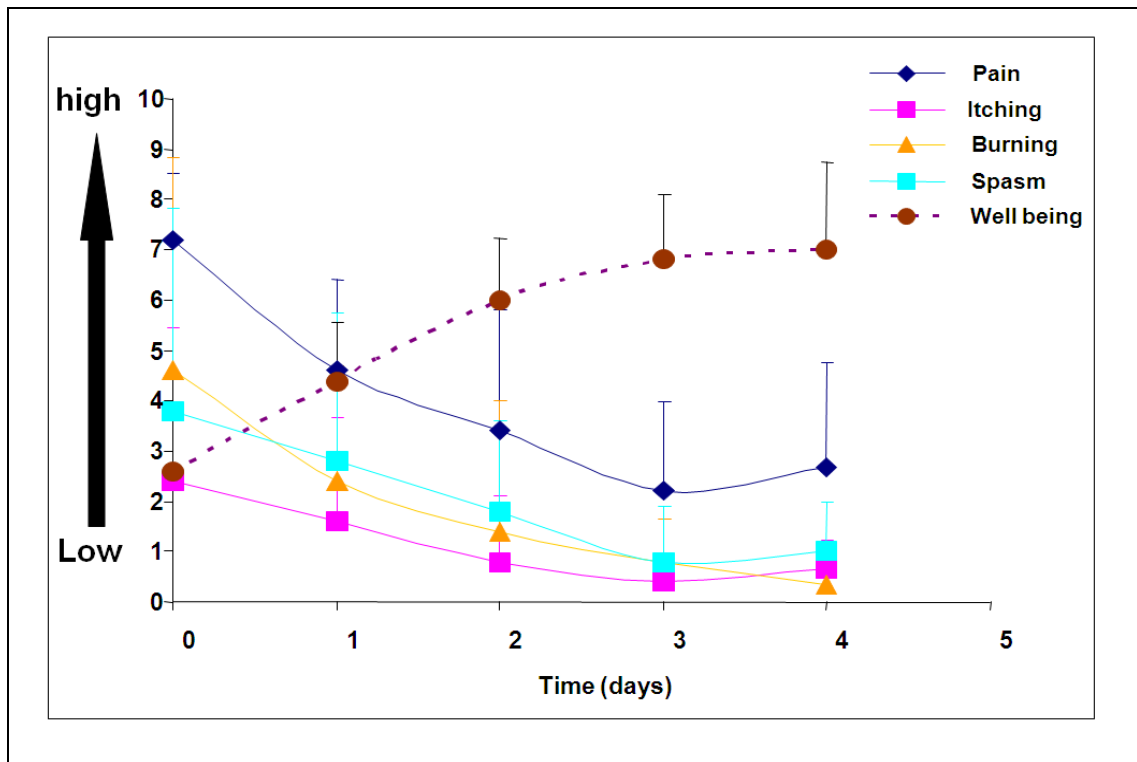
The data was collected by a daily questionnaire using a 1-10 scale (Numeric rating scale)

### Results

The average age was 63.5 (high – 82, low – 27). All of the subjects received a 14Fr catheter. The average use was 6.6 days (4-12 days).

The following graph demonstrates the effect of the UroShield on the tested parameters during the first 4 days.

The results demonstrate a reduction from 6.1 to 1.8, 2.6 to 0.4, 3.7 to 0.2 and 3.7 to 1.0 in pain, itching, burning and spasm levels, respectively. On the other hand, a significant increase from 3.3 to 7.0 was observed in the well-being of the subjects



### Conclusions

The study demonstrated that UroShield is effective in subjects that suffer from pain and discomfort due to urinary catheters. The ability to use it in the home care setting can improve the subject's tolerance to urinary catheters and improves catheter related injuries.