

## THE EFFICACY OF THAI CAPSAICIN IN THE TREATMENT OF PRIMARY DETRUSOR INSTABILITY AND HYPERSENSITIVE BLADDER.

### Aims of Study

Our objective was to study the efficacy of Capsaicin extracted from Capsaicin frutescens in treating the patients with hypersensitive bladder and primary detrusor instability.

### Methods

Eleven patients, 3 males and 8 females, with average age of  $60.3 \pm 14.3$  years were treated by intravesical instillation 1 mM/L Capsaicin in 30% ethanol in an amount half of the bladder capacity for 30 minutes after instillation 2% xylocaine without adrenaline for 15 minutes three out of the 11 patients who could not tolerate the pain by this method were anesthetized with regional or general anesthesia.

### Results

1. Clinical symptoms were improved significantly, i.e. the frequency was reduced from day : night =  $19.45 \pm 17.99$  :  $7.09 \pm 6.30$  to  $12.00 \pm 8.91$  :  $4.09 \pm 3.8$  at  $p < 0.05$  and leakage almost disappeared.
2. Maximal bladder capacity increased from  $197.45 \pm 156.06$  ml to  $323.45 \pm 129.46$  ml which was statistically significant ( $p=0.009$ ).
3. Detrusor pressure at maximal bladder capacity increased from  $32.63 \pm 22.76$  cmH<sub>2</sub>O to  $36.63 \pm 19.21$  cmH<sub>2</sub>O but was not statistically significant ( $P=0.823$ ).
4. Voiding pressure nonsignificantly increased from  $47.1 \pm 6.4$  cmH<sub>2</sub>O to  $48.1 \pm 6.6$  cmH<sub>2</sub>O ( $p=0.959$ ).

The adverse effects found were burning pain at suprapubic area, sweating and hematuria.

### Conclusions

Intravesical Capsaicin is the good alternative way to treat. Overactive and hypersensitive bladder.