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### Abstract Reproduction Form B-1

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Title	<b>ENDOSCOPIC TRIAMCINOLONE INJECTION FOR TREATMENT OF HUNNER'S ULCER VARIETY INTERSTITIAL CYSTITIS.</b>

**AIMS OF STUDY:** Patients with Hunner's ulcer variety of interstitial cystitis describe pain as a significant part of their symptom complex. We report success of endoscopic injection of triamcinolone into the base or Hunner's ulcer in terms of pain severity and character.

**METHODS:** Since 1992 36 patients (mean age 65.5 years, range 44 – 80) had at least one intravesical triamcinolone bladder injection for endoscopically proven Hunner's patch variety interstitial cystitis. TA written questionnaire was mailed assessing the pain character, localization, frequency and severity. Pain relieving and aggravating factors and pain reproducibility during office cystoscopy were examined. The degree and duration of response to the last steroid injection was evaluated. Interstitial cystitis symptom index score and problem index score prior and after the procedure were studied (1).

**RESULTS:** At present 24 patients (67%) responded to the questionnaire. Sixteen patients (67%) reported that their pain was reproduced during office cystoscopy. Complete relief was achieved in 17 patients (71%). In 5 patients (21%) with partial improvement and change of pain character, the pain frequency and severity score decreased from 13.6 to 9. Only 1 patient (4%) did not improve. The duration of improvement is depicted in table 1. The mean IC symptom index score decreased significantly from 16.9 to 5.9 and problem index score from 14.7 to 5.3 after the surgery. An average of 1.9 injections per patient was performed. In responders who had multiple injection of steroids, 91% had complete response achieved with all injections.

**Table 1:** Duration of response to steroid injection.

Duration of improvement	3 w. – 3m.	3m. – 1y.	> 1 y.
# of patients	3	8	12

**CONCLUSIONS:** IC with Hunner's ulcer typically occurs in older population and is characteristically associated with severe pain. Touching of the lesion during office cystoscopy can elicit the same type of pain. These patients have high likelihood of pain relief in response to intravesical triamcinolone injection into and around the base of the lesion. This not only improves their pain but also other symptoms associated with IC.

**REFERENCE**

1. O'Leary MP, Sant GS, Fowler FJ, Whitmore KE, Spolarich-Kroll J: The interstitial cystitis symptom index and problem index. Urology 49 (Suppl.5A): 58-63, 1997