

Sclerotherapy: Clinical Results with 98% Alcohol in 30 Cases of Symptomatic Renal Cysts

Introduction and Objective: To present our experience in the treatment of symptomatic renal cysts and evaluate the efficacy of 98% alcohol sclerotherapy after drainage of simple renal cysts.

Materials and Methods: From January 2003 to August 2008, thirty (30) patients with symptomatic renal cyst were treated by percutaneous drainage using nephrostomy tube under Ultrasound and X-ray guide. After 6 to 24 hours, one third (1/3) of the fluid was aspirated and 98% alcohol was injected and left for 2-4 hours. Antibiotics iv was given pre aspiration (Inj. Rocephine 2 grams). Follow-up monthly for 6 months by Ultrasound monthly and CT scan after 6month-one year.

Results: Complete resolution observed in 93.3% patients, a total of 26 patients over 6 months. Two cases showed recurrence after 2 months; one treated by repeat aspiration and second excision (6.6%). One case developed allergy and was treated by iv fluid, hydrocortisone and phenergan; on follow-up showed no recurrence. One case technically difficult for aspiration because two (2) cysts around renal pelvis and cyst excision done.

Conclusions: 98% Alcohol Sclerotherapy showed high rate of complete resolution of symptomatic renal cysts with low rate of recurrence.