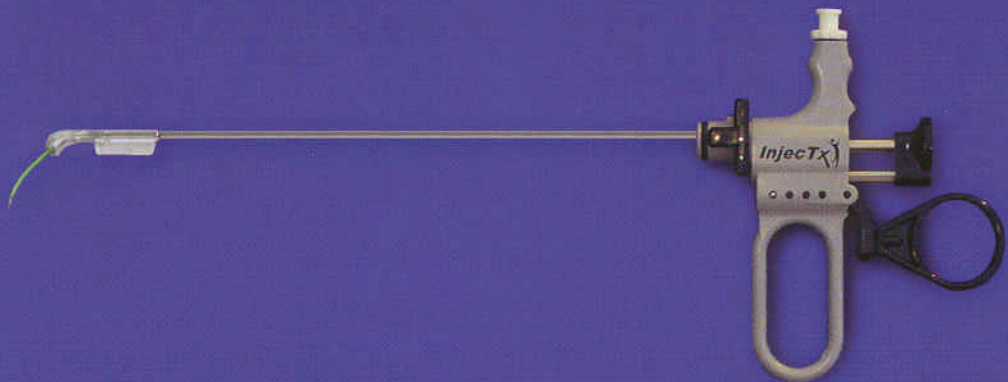


Chemoablation of the Prostate with Dehydrated Ethanol for the Treatment of BPH

presented at the
5th International Consultation on BPH
Paris, France • June, 2000



*Presented by Joseph V. DiTrollo, M.D.
UMDNJ - New Jersey Medical School - Newark, New Jersey USA*

Introduction and Objectives:

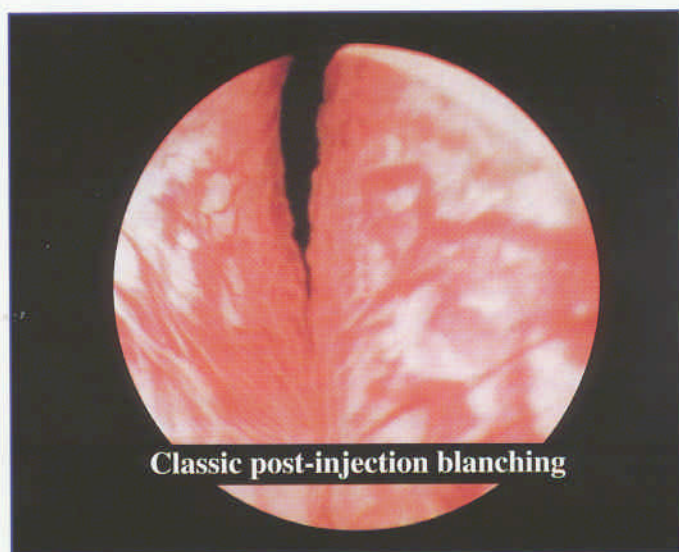
Dehydrated ethanol has been shown to cause tissue lysis and nerve blockade in the prostate. When injected into the prostate and confined to that

tissue, it is a safe, inexpensive, and effective treatment for prostatic obstruction.

Methods:

With the utilization of the Injectx endoscopic device, 16 patients who have documented outlet obstruction, secondary to BPH between 25-100 grams in size, were treated by transurethral multiple injections of dehydrated ethanol. No more than a total of 25 cc of ETOH were injected

at up to five injection sites in the prostate under IV sedation. Post-treatment patients had Foley catheter drainage for 48-72 hours and were evaluated for urine flow and AUA Symptom Scores at 1 month, 3 months, and 6 months. Post-op ultrasound volume studies were done at 3 months.



Summary of Clinical Experience Baseline

16 Men with BPH

	Mean	Range
• Age:	67 years	(50 to 80)
• AUA Score:	22.4	(13 to 35)
• Uroflow Qmax:	5.7 ml/sec	(0 to 9)
• Prostate Size:	48 gm	(22 to 75)

Dr. DiTrolio ETOH Injection Procedure

Treatments Between 7/1999 and 2/2000

	Mean	Range
• Injection Sites:	3.4	(2 to 5)
• ETOH Dose/Site:	3.8 ml	(2 to 6)
• Total ETOH Dose:	13.1 ml	(8 to 22)
• Dose Adjusted for Prostate Size:	28.1%	(17.3 to 42.0)

Dr. DiTrolio ETOH Injection Post - Procedure

	Mean
• Catheter Use:	3.6 days
• Narcotic Analgesics:	None
• UTIs:	None
• Retrograde Ejaculation:	None
• One Patient Underwent TURP Subsequently	

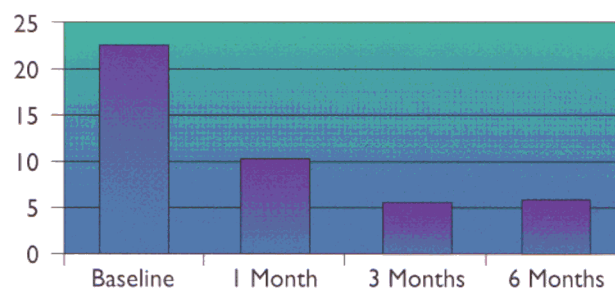
Dr. DiTrolio ETOH Injection 1 - Month Follow-Up

	Mean
• AUA Score:	10.3
• AUA Score Decrease:	55%
• Qmax:	8.5 ml/sec
• Qmax Increase:	46%

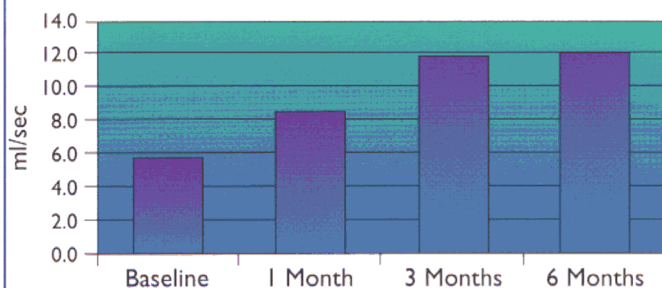
Dr. DiTrolio ETOH Injection 3 - Month and 6 - Month Follow-Up

	3 Months	6 Months
• AUA Score:	5.6	6.0
• AUA Score Decrease:	72%	70%
• Qmax:	11.7 ml/sec	12 ml/sec
• Qmax Increase:	98%	100%
• Prostate Size:	23.3 gm	----
• Prostate Size Decrease:	52%	----

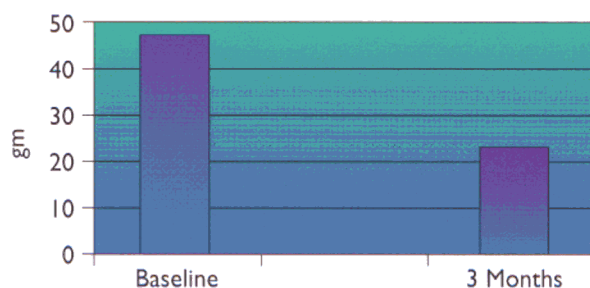
ETOH Injection AUA Score



ETOH Injection Procedure Qmax



Dr. DiTrolio ETOH Injection Procedure Prostate Size by TRUS



Results:

Pre- and post-op comparisons of AUA Symptom Scores, urine flow, and ultrasound studies for prostate volume were evaluated. Patients showed doubling of urine flow, 52% reduction in prostate volume, and a greater than 50% reduction in AUA Symptom Scores. All patients tolerated the procedure well with minimal discomfort, no pain management requirement, no post-operative infections, and a willingness to repeat the procedure again, should it become necessary in the future. All patients were treated in the outpatient setting.

Conclusion:

We offer this simple, inexpensive treatment format for mild-moderate BPH. This procedure is easily duplicated and is mastered rapidly by the average urologist.



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