Moore K, Tawadras C, Betts C
1. Salford Royal Hospital

BOTULINUM TOXIN A (BOTOX®) FOR “UNSOLVABLE” CATHETER RELATED PROBLEMS

Hypothesis / aims of study
In patients with long term catheters, problems with bypassing, blocking and urethral incontinence are common and result in considerable distress to patients and cost to the health service. We have used intra-detrusor Botox® to manage catheter related problems secondary to detrusor overactivity when anticholinergics and conservative measures have failed.

Study design, materials and methods
Between 2006 – 2010, 14 patients with intractable catheter related problems received intra-detrusor Botox®. All patients had 300 units Botox® injected by flexible cystoscopy in a routine manner. Many of the patients that had a good symptomatic response elected to have repeat Botox injections.

Results
Patients (4 male, 10 female) had a mean age of 57 years (range 27 – 78). The indications for long term catheterisation were; chronic retention (4), MS (5), Parkinson’s disease (2) pelvic radiotherapy (1) and other neurogenic dysfunction (2). Nine patients had suprapubic catheters and 5 urethral catheters.

There were no serious post-operative complications. 10 patients reported their catheter problems had significantly improved and requested repeat injections. To date, 8 patients have had repeat injections; 1 has had 8 repeat injections, 3 have had 4, 1 has had 3, 3 have had 2. The mean interval between repeat injections was 7 months

Interpretation of results
Intra-detrusor Botox® injections are a safe and effective management option for patients with intractable catheter bypassing / blocking. The benefit is sustained and without serious complications.

Concluding message
In addition to improving quality of life, there are potential cost savings from the use of intradetrusor botox in patients with ‘unsolvable’ catheter related problems.

Specify source of funding or grant
nil

Is this a clinical trial? No

What were the subjects in the study? HUMAN

Was this study approved by an ethics committee? No

This study did not require ethics committee approval because Retrospective review

Was the Declaration of Helsinki followed? Yes

Was informed consent obtained from the patients? Yes