



MP 40-18 5-year experience on the Adjustable Transobturator Male System (ATOMS®) in UK men with Stress Urinary Incontinence

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INTRODUCTION

Stress urinary incontinence is debilitating

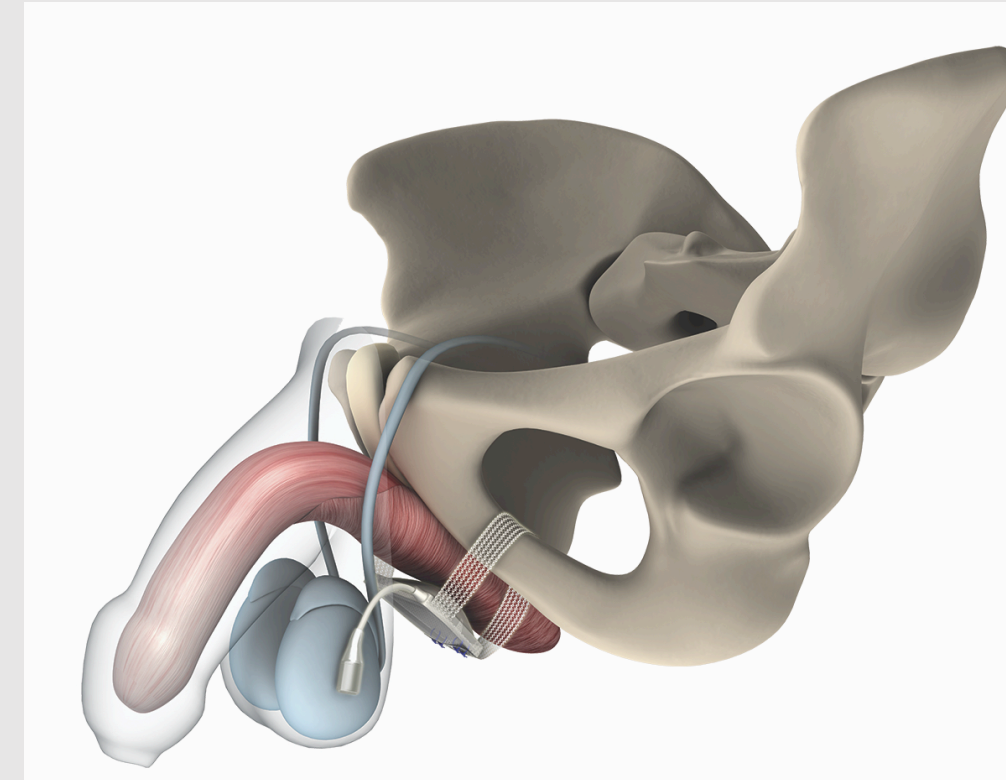
- Arises mainly from radical prostate surgery

The ATOMS® (A.M.I., Feldkirch, Austria) is a new adjustable system consisting of a balloon mechanism which is inflated via a buried port-catheter

- **Allows ongoing adjustments of pressure** exerted by the system in an outpatient setting, without the need for general anaesthetics

2019 meta-analysis Esquinas et al – 67% dryness on average, 90% improvement after adjustment

First UK experience on using ATOMS®



RESULTS

54/70 (77%) post ATOMS are dry (defined as using up to a maximum of one pad for reassurance only).

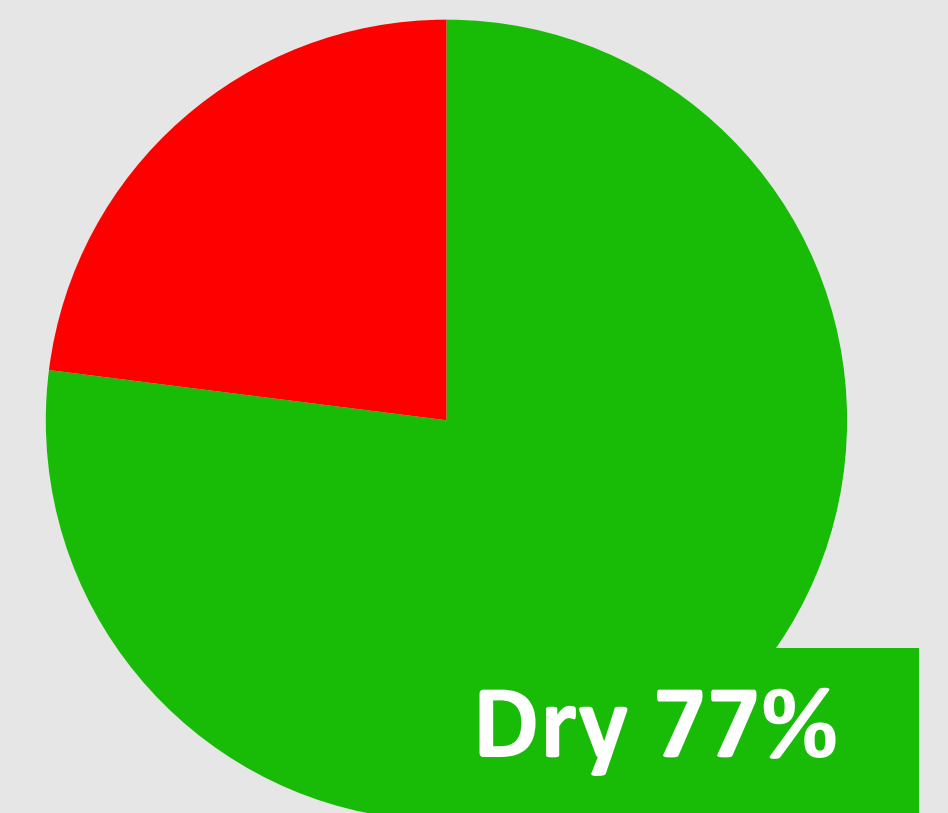
35/54 (65%) achieved dryness within 6 months (range 1-24 months).

Average pad usage was 3.3 pre-op and 0.8 post-op.

Of the 16 patients where ATOMS have been ineffective, 7 had undergone radiotherapy previously.

- However, pad usage still reduced by 56% in these post-radiotherapy patients.

There were **8 (11%) complications**: 4 cases of retention, 2 wound infections treated medically, 1 balloon mechanism erosion requiring re-implantation and 1 case of infected device requiring removal.



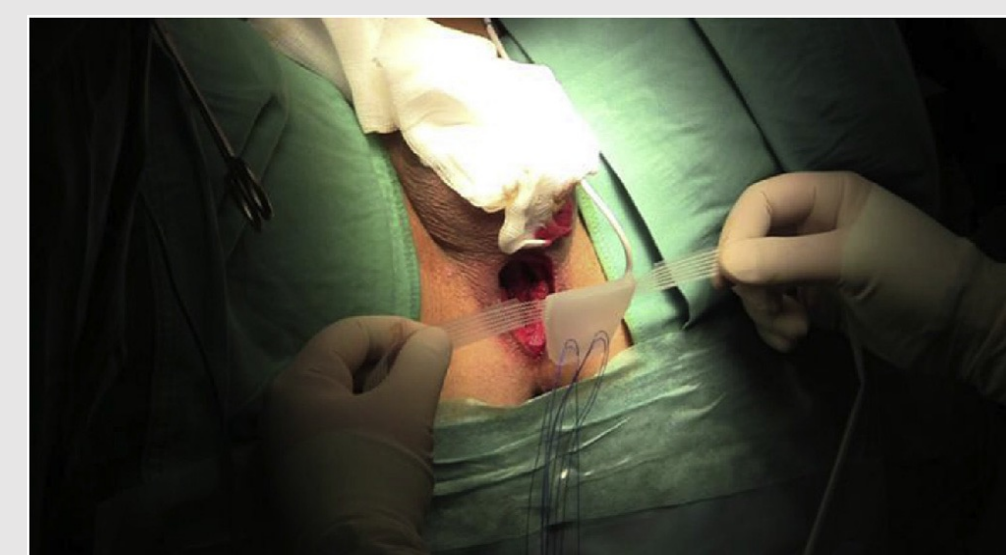
METHODS

70 men - average age: 70.3 (range 50 – 81)

- 94% post radical prostatectomy
- 11 had previously undergone a conventional sling and 14 had urethral bulking agents in the past
- 15 have had previous radiotherapy

All underwent insertion of ATOMS®

- Performed under general anesthetic
- Follow up for up to 5 years.



CONCLUSIONS

ATOMS appears **effective in treating men with SUI**, including when other surgical therapies have failed.

Its **efficacy is hindered by radiotherapy**

- But still reduced overall pad usage.

Further studies on ATOMS in larger numbers with longer follow-ups are required to confirm these positive outcomes.