



SÃO JOÃO

PATIENT SATISFACTION, CONTINENCE AND LUTS INCIDENCE FOLLOWING AUS IMPLANTATION – RESULTS FROM A LONG-TERM COHORT

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INTRODUCTION

- Artificial urinary sphincter (AUS) implantation is the **standard of care** for moderate-to-severe stress urinary incontinence (SUI).
- Few studies report on **long-term outcomes** of this therapy.

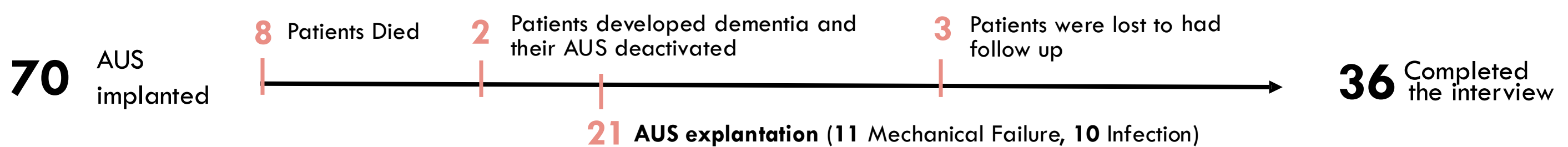
AIM

To study AUS long-term outcomes, namely efficacy, complications, explanation rate and patient satisfaction.

METHODS

- We **retrospectively reviewed** 70 AUS implanted at our tertiary center for male SUI between January 1st 2008 to March 31st 2022.
- **Neurogenic patients** were excluded.
- Patients were interviewed and completed **OABSS, IPSS, ICIQ UI -SF and ICIQ-Satisfaction** questionnaires.

RESULTS



POPULATION (N=36)

Age- years (Mean± SD)	66,03± 13,09
Diabetes	33,4%
Arterial Hypertension	66,7%
Active Smoker	11,1%
Arterial Disease	16,7%
Pelvic RT	33,3%
PPD (Mean± SD)	5,71± 4,05
Follow up -months (Median(IQR))	76,5(66,5)

LOWER URINARY TRACT SYMPTOMS (LUTS)

LUTS incidence was **low**

3(4) IPSS
Median(IQR)

1(3,5) OABSS
Median(IQR)



Patients with **RT history**

Patients with **previous urethrotomy**

higher OABSS ($p=0,031$)

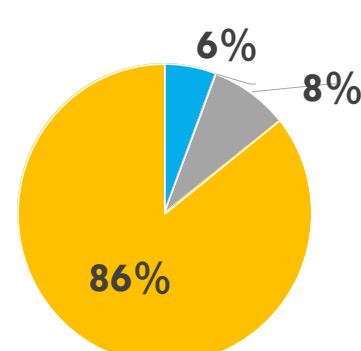
higher IPSS ($p=0,001$)

lower ICIQ-Satisfaction ($p=0,009$)

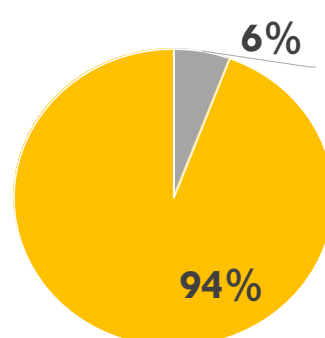
PATIENT SATISFACTION

19(2) ICIQ-Satisfaction
(outcome subsection)
Median(IQR)

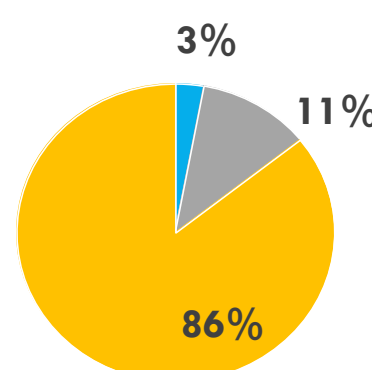
How (0-4) would you **rate the outcome** of your surgery?



Would you **recommend this procedure to friends or relatives** with similar problems? (0-4)



Compared to how you felt before your surgery, **how is your condition now?** (0-4)

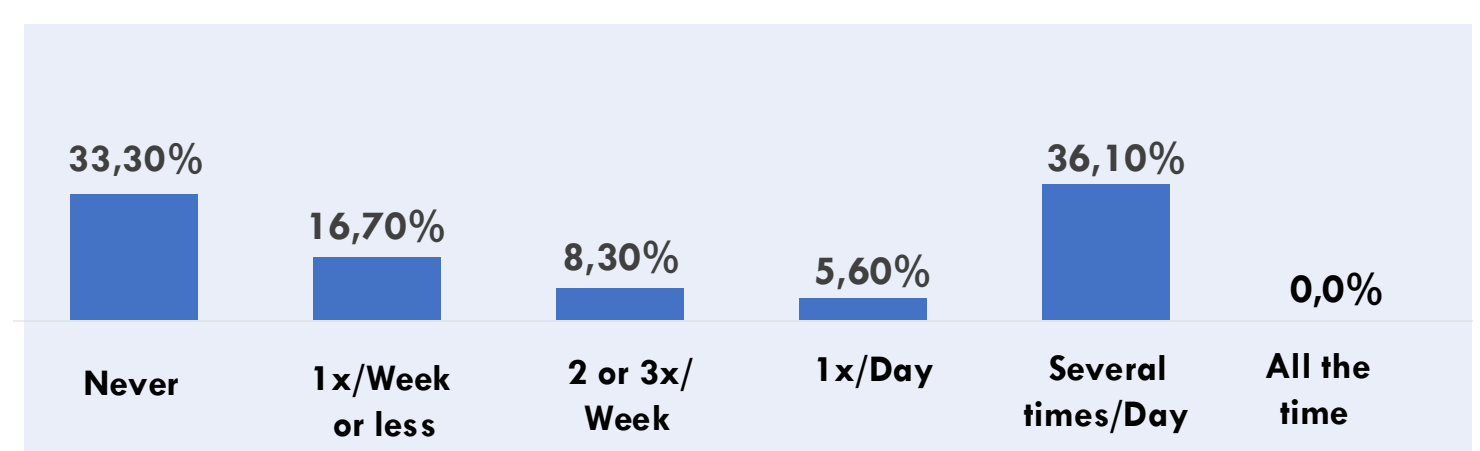


CONTINENCE

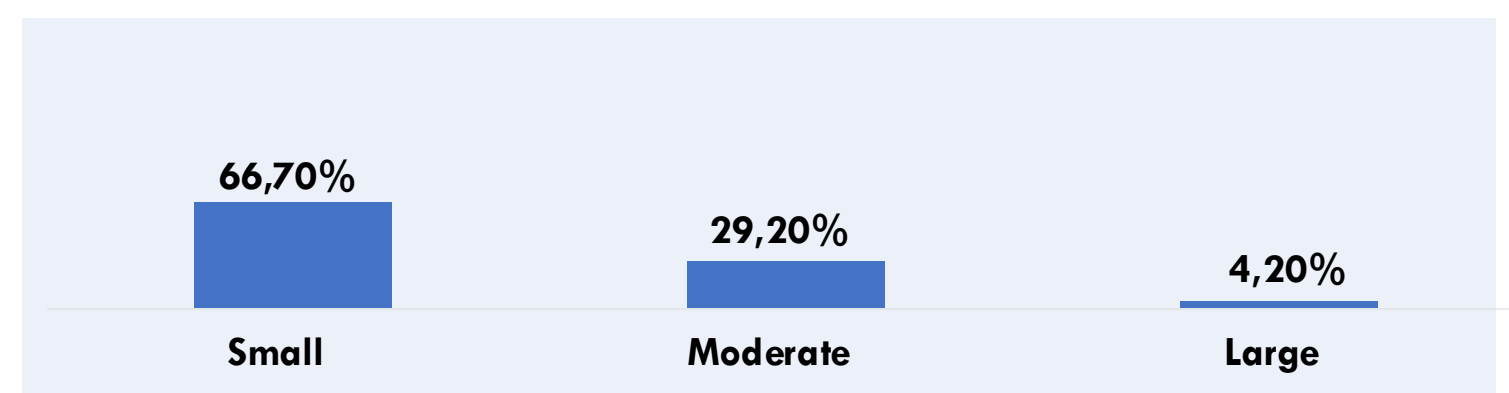
75% Used 1 or less PPD

4(9) ICIQ-SF UI
Median(IQR)

How often do you leak urine?



How much urine do you think you leak?



CONCLUSIONS

- AUS is an **effective treatment** for male SUI as it can achieve **long-term social continence** and, in some cases, absolute continence.
- These results are reflected in the **exceptionally high patient satisfaction** rates. Patients previously submitted to **pelvic RT appear to have worse outcomes**, with lower reported satisfaction and higher LUTS incidence.
- Those previously submitted to **urethrotomy** also appear to have higher LUTS incidence.

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