



**Gold Standard
Management for Acute
Urinary Retention for
Patients' presenting to
the Emergency
Department**

Patricia McDermott (Queens Nurse)
Consultant Clinical Nurse Specialist in
Urology

Disclosures - None

Learning Outcomes

- Outline of the Management of Acute Urinary Retention
- Overview of a change in practice for the management of Acute Urinary Retention In an Emergency Department
 - * How we did it
 - * The Outcomes
 - * Patient Feedback
- Benefits to the Clinicians and the Patients
- Understanding of the damage indwelling catheters can cause.

Acute Urinary Retention (AUR)



Painful



Requires immediate treatment by catheterisation ⁽⁵⁾



Is responsible for over 30,000 hospital admissions in the UK and many more visits to the Emergency Department ^(1,2)



Has an incidence of 3/1000 patients each year ⁽³⁾

Reasons for AUR

- Benign prostatic hyperplasia (BPH)- 53 %
- Constipation – 7.5%
- Prostate Cancer – 7%
- Urethral Stricture - 3.5 %
- Postoperative – 5 %
- Neurologic disorder – 2%
- Medications/drugs – 2%
- Urinary Tract Infection (UTI) – 2%
- Urolithiasis – 2%
- Miscellaneous – 16 %

Complications of AUR



Infection



Renal Failure

Management of AUR



Full assessment



Urethral catheterisation is the usual method employed in the UK ⁽⁴⁾



This was the method used in the Bailiwick of Guernsey





- Patient presents to the ED in Acute Urinary Retention

- Full assessment undertaken and bladder scan

- Indwelling catheter inserted

- Patient referred to the Urological CNS and Community Nurse for follow up

- CNS would contact patient GP and get appropriate medication prescribed (alpha blocker, laxative) and arrange follow up and Trial Without Catheter (TWOC) in 2-3 weeks

- Should TWOC fail, patient would be taught Clean Intermittent Self-Catheterisation (CISC) and monitored



Why could I not have been taught this from the beginning as it is much more comfortable?

Barriers

Nurses

Concerns were raised about the time it would take them to teach patients.

Findings from time and motion study revealed teaching patients took 15 minutes whilst inserting IDC took 30 minutes

Medical Staff

Medication, bloods, CISC
Flow chart

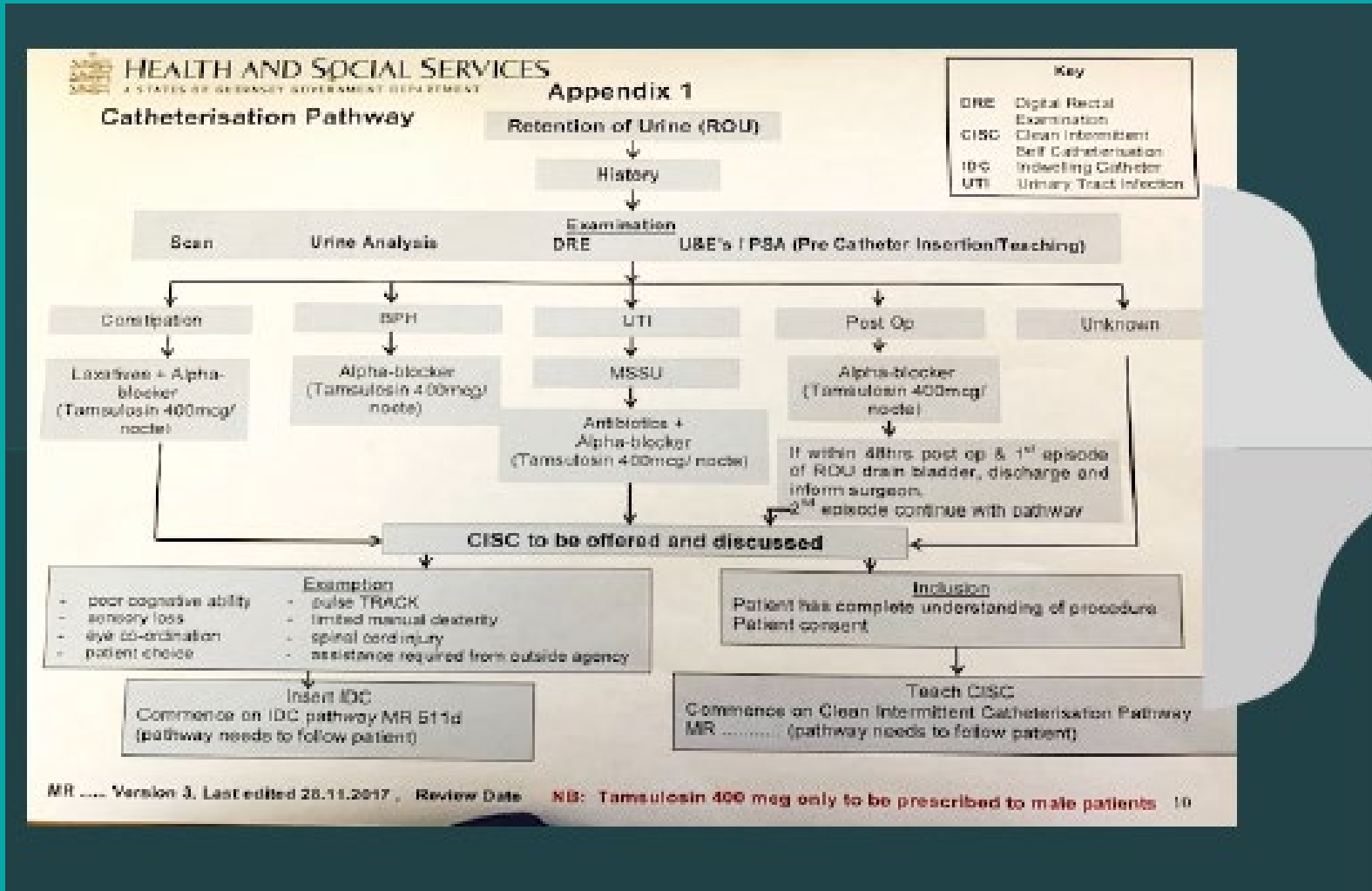
Patients

Support, reassurance



Patient Discharge Pack

First Line Treatment



Problems & Solutions



Medical staff not prescribing the alpha-blockers



Attend monthly medical meetings

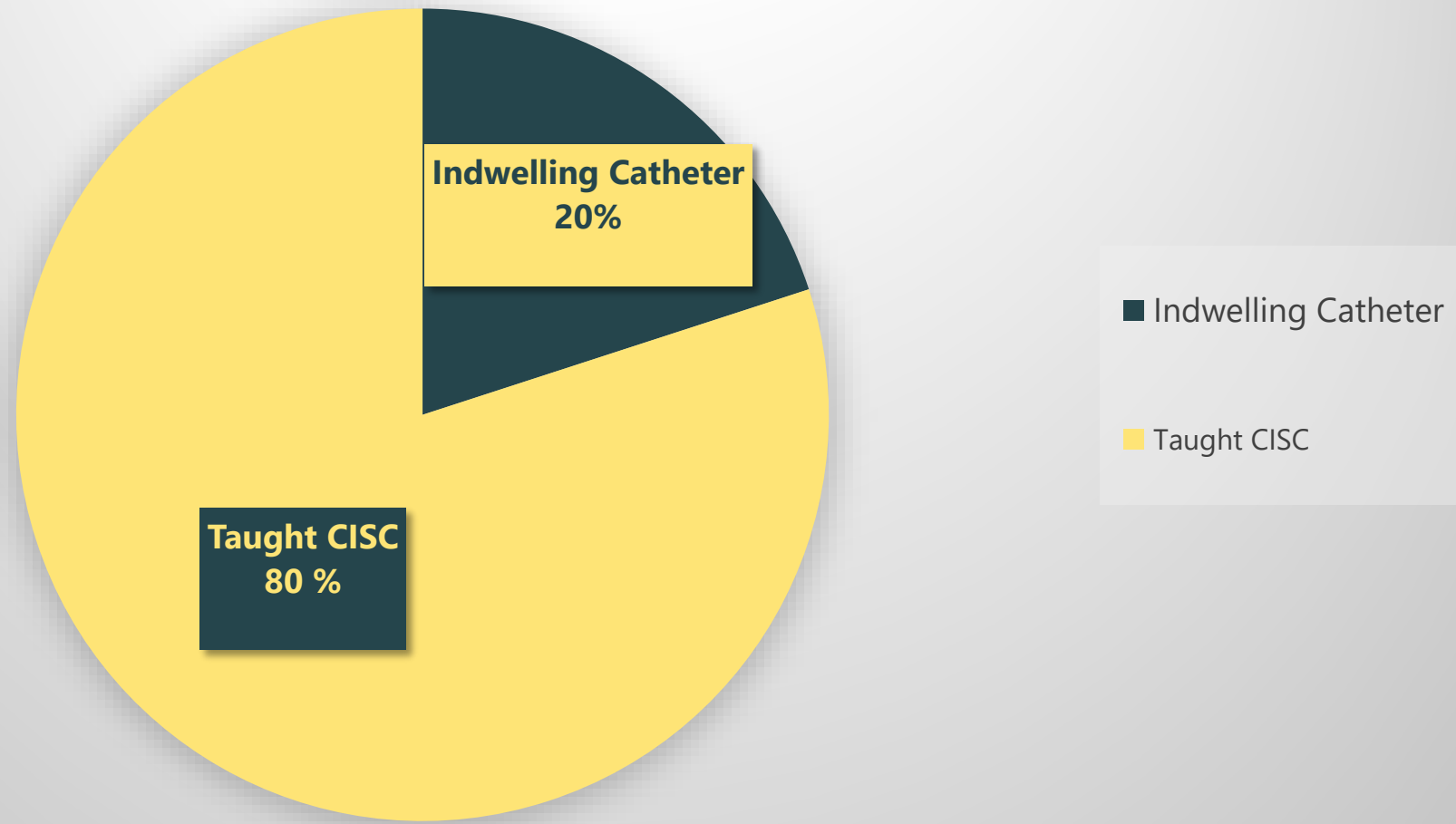
Introduce / go through the pathway

Good support from Consultant Urologist



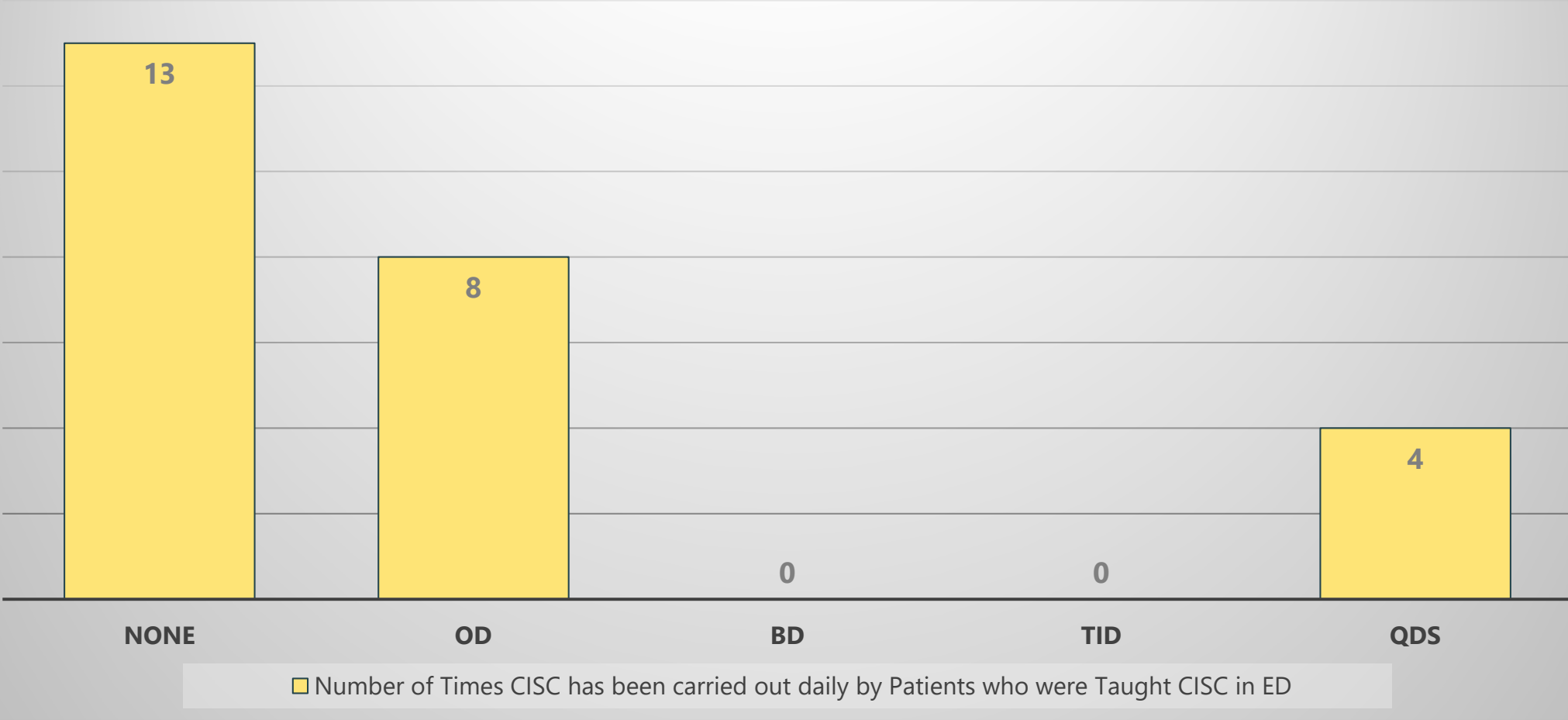
Outcomes

Type of Catheterisation used August 2016 - June 2019



Outcomes

Number of Times CISC has been carried out daily by Patients who were Taught CISC in ED



Patients' Perspective



"CISC provides 24 hours a day of normal comfortable living"

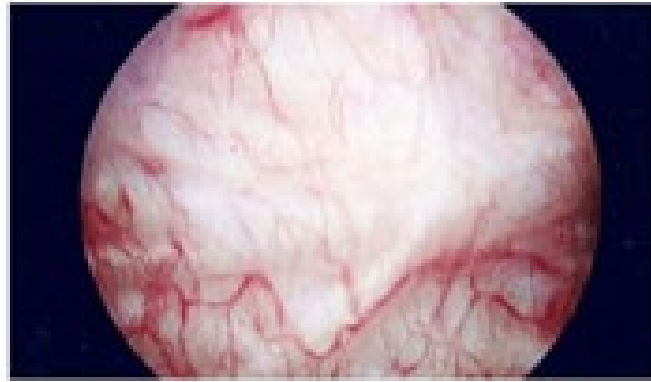
"CISC offers convenience and comfort"

"CISC is more convenient with more freedom"

"Simple and convenient"

"I found the CISC system simple and easy to use, once familiar with it having tried leg bags and indwelling catheter. I'm much more comfortable and happier now with CISC"

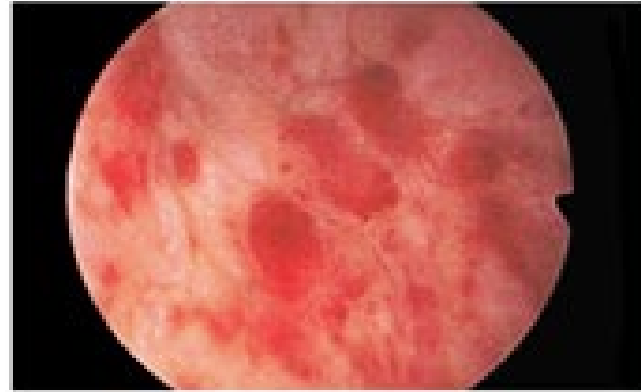
"Can do it yourself, privacy"



Healthy Bladder



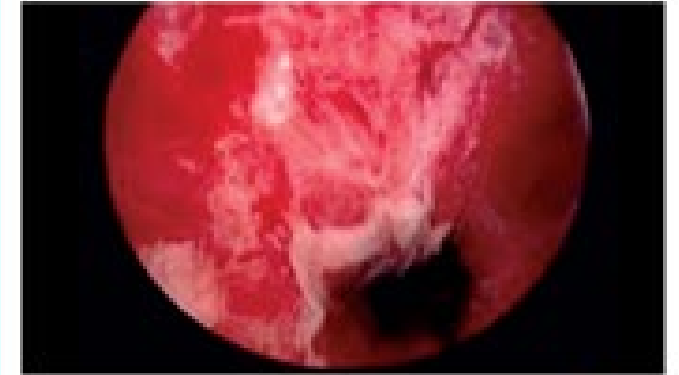
Inside the Bladder: Damage Caused by Foley Catheters



Bladder wall trauma



Inside the Bladder: Damage Caused by Foley Catheters



Tip and aspiration damage



Inside the Bladder: Damage Caused by Foley Catheters



Polypoid Cystitis

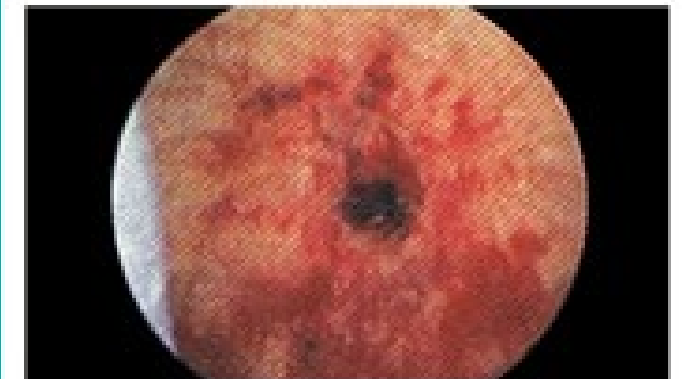


Hemorrhage in the under layers of the bladder wall



Several studies have indicated that the Foley catheter design can cause damage to the

Inside the Bladder: Damage Caused by Foley Catheters



Tip damage





Catheter Associate Urinary Tract Infections (CAUTI) and Other Complications



♡ 70-80 % of CAUTI attributable to indwelling urethral catheter

♡ Using CISC has reduced or eliminated incidences of CAUTI

♡ No patients in the study developed CAUTI or other complications such as obstruction or prostatitis

♡ No patients in the study required a hospital admission

The WOW Factor



Teamwork to deliver a Gold Standard Service



Preventing Catheter Associated Urinary Tract Infections and other complications



Patient Comfort and Satisfaction

References

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Thanks for
listening.
Any questions?

