

A Randomized Controlled Trial of Using Digital Video Camera in Teaching Female Patients CISC



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INTRODUCTION

- Clean intermittent self-catheterization (CISC) - one of the main alternatives for the management of patients with voiding dysfunction.
- Not an easy procedure for female patients as self-visualisation the urethral meatus may be difficult.
- ↑ stress, anxiety and depression to patients
- Used a digital video camera to divert the view onto a digital screen display to facilitate learning CISC
- To compare the effectiveness of using digital video camera to conventional method in teaching female CISC



METHODOLOGY



VS



- All female patients hospitalized for retention of urine and failed wean off Foley were recruited.
- Randomized into two groups (digital video vs mirror).
- Trained by the same speciality nurse using a 12 Fr Nelaton catheter.
- Digital video group- teaching was screened on a portable Digital Video Player with a 9 inch screen.
- Control group- simply use mirror.
- At 2-weeks follow up, all patients were asked to complete a validated Intermittent Self-Catheterization Questionnaire (ISC-Q) for evaluation.

RESULTS and OUTCOMES

- ▶ Study period: December 2016 to December 2017.
- ▶ Study size: 25 female patients (13 in digital video arm and 12 in mirror arm).
- ▶ Mean age was 58.4.
- ▶ No complications at 2-weeks follow up.

	Mean score of digital video arm	Mean score of control arm	P value
Ease of Use	32.5/40	29.9/40	P>0.05
1. It is easy to prepare my catheter for use each time I need it	4.6/5	4.5/5	P>0.05
2. It is messy to prepare my catheter for use	4/5	4.1/5	P>0.05
3. It is easy to insert my catheter	4.1/5	3.3/5	P<0.05
4. I find inserting the catheter is uncomfortable sometimes	3.2/5	2.8/5	P>0.05
5. The design of the catheter makes it easy to insert	3.6/5	3.4/5	P>0.05
6. The catheter is fiddly to use	4.2/5	4.1/5	P>0.05
7. The lubrication on the catheter makes it difficult to use	4.8/5	4.4/5	P>0.05
8. I feel confident in my ability to use my catheter	4/5	3.3/5	P<0.05

CONCLUSION

CISC – complex procedure

Other problems would add additional difficulty, such as

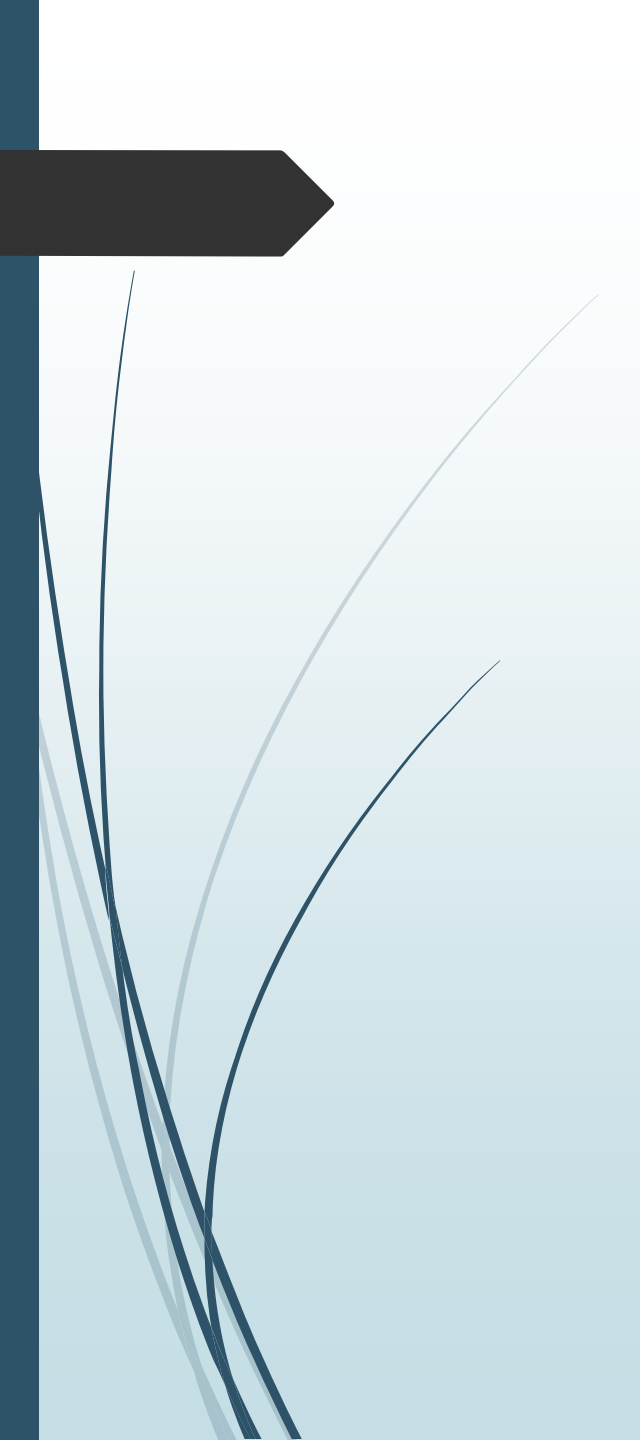
- ▶ Decreased visual acuity,
- ▶ Decreased motor dexterity
- ▶ Poor preconceptions regarding manipulating their genitals

By using a digital video camera in educating female patients for CISC

➔ An easier understanding of their own anatomy.

↑ Increase patient perceptions and motivate them to learn CISC properly





Thank You For Your Listening