

## Intermittent Self Catheterization (ISC)

### A Guide for Women

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#### What is catheterization?

Catheterization involves passing a small tube into the bladder to empty it. Temporary catheterization is commonly required following surgery due to pain, swelling or mobility problems. Women with neurological (nerve problems) of the bladder may need to catheterize permanently.

#### How does a normal bladder work?

As urine is produced and fills the bladder, the bladder (detrusor) muscle relaxes and stretches to accommodate the fluid. When the bladder is filled to a certain level, an urge to pass urine is felt, and when it is appropriate, the brain signals the detrusor muscle to contract and the urethral sphincter to relax, thus allowing urine to be passed. The bladder usually needs to be emptied about 4-7 times per day, and once or twice at night.

#### Why is catheterization needed?

If the bladder is unable to empty properly it can cause a number of problems including:

- Overstretching of the bladder wall. This can lead to permanent damage to the detrusor muscle and result in urinary incontinence and a permanent inability to empty the bladder effectively.
- Urinary tract infections or bladder stone formation due to pooling of stale urine
- Overstretching and urinary tract infections may lead to kidney damage.
- Urgency complaints (a sudden and urgent need to pass urine)
- Urge incontinence: a sudden and urgent need to pass urine that results in leakage.
- Urinary frequency

#### What types of catheterization are there?

There are three types of catheterization techniques:

- Indwelling urethral catheters: a tube in your blad-

der through the urethra which will stay in place for a short period.

- Suprapubic catheters: a tube in your bladder introduced through the lower abdominal skin.
- Intermittent catheters: the bladder is emptied periodically, using a small catheter that is removed after each void (urination)

#### How long is catheterization needed?

This will depend on the reason for incomplete emptying; following surgery the bladder normally returns to normal function after one to two weeks, your doctor will be able to advise you on the likely length of time catheterization is required.

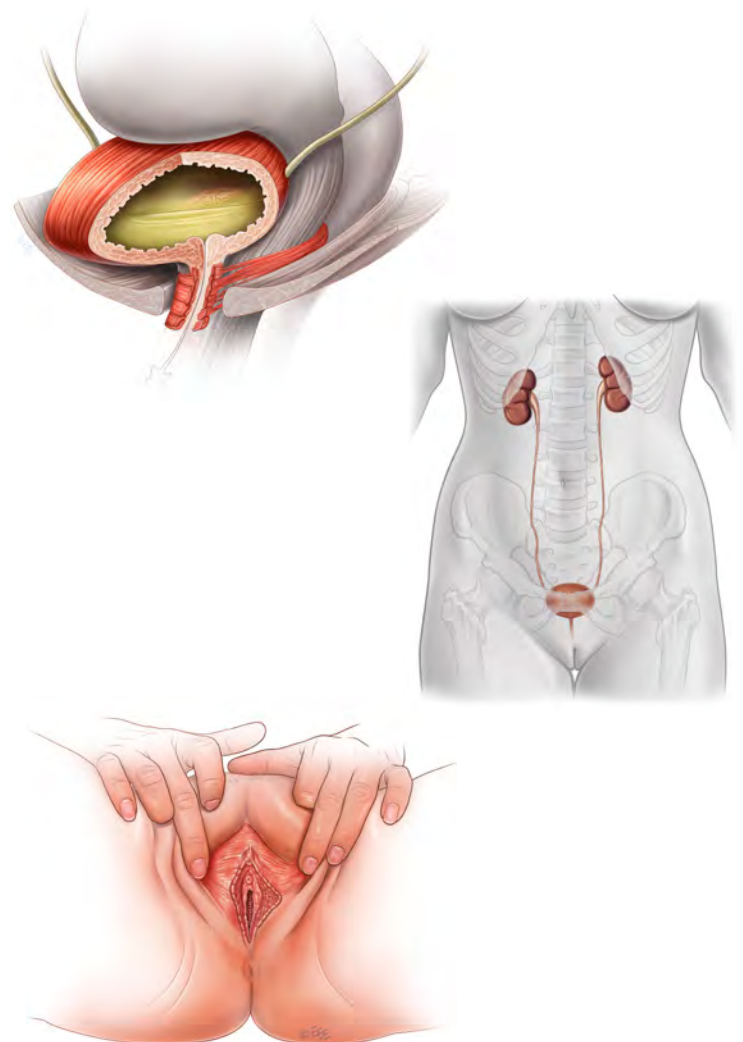
#### Intermittent catheterization

This involves passing a small tube called a catheter up into the bladder to allow all the urine to flow out.

Although it may seem difficult at first, most people find learning to catheterize very easy. With practice emptying the bladder can take only a few minutes. Your nurse or doctor will help you find the right technique and answer questions as you learn.

#### What do I have to learn to perform ISC?

Before you learn the technique of ISC you must have an understanding of your anatomy to locate the opening of the urethra. Your nurse will provide you with practical information and a mirror to help you find the urethral opening.



## What do I need to get started?

- Intermittent disposable catheter(s)
- Container for urine
- Lubricant (sterile, various manufacturers)
- Toilet tissue
- Container with a well fitting lid to store the catheter in after use

You may be advised that you can reuse your catheters in which case:

### **Catheter Care**

Rinse the catheter after use making sure that the eye of the catheter is not blocked.

Wash the catheter in warm soapy water, then rinse it thoroughly in clean running water.

Shake the catheter to remove residual water.

The catheter should be stored in a clean container that has a lid.

Clean the container at least once a week with warm soapy water and dry it thoroughly.

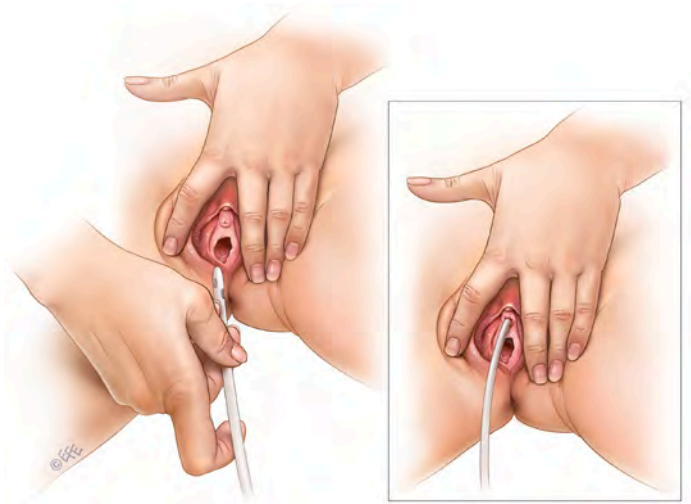
DO NOT let anyone else touch the catheter or container.

Each catheter may be used for one week. However, if the catheter appears damaged or unclean or if you are displaying signs of infection, change the catheter.

In case of an infection a NEW catheter should be used each time.

### **Step by Step Guide to ISC**

1. Wash hands thoroughly.
2. Prepare the equipment , setting everything up on a clean, easily accessible surface.
3. Wash your genital area with wet toilet tissue or a flannel or wipes. Always wipe from front to back and use each tissue or wipe only once. Discard used toilet tissue into the rubbish bag or toilet.
4. WASH YOUR HANDS AGAIN.
5. Position yourself in the position that is comfortable for you either sitting or standing (Until you are familiar and confident with the procedure, you may need to position a mirror to make it easier to see the opening of your urethra).
6. Pick up the catheter, but do not touch the end that is going into your bladder. Dip the tip of the catheter into the sterile lubricant.
7. Part your labia with one hand – you may need to place a finger over (or in) the vagina to prevent the catheter going into the vagina instead of the urethra. Gently insert the catheter into the urethra until urine flows. Leave the catheter in until the moment that urine stops flowing.
8. Then remove the catheter slowly after the urine stops flowing.
9. Dry yourself.
10. Wash your hands.



### **Tips and Advice**

#### Drinking

Unless your doctor has told you otherwise, you are advised to drink approximately 2 litres of fluid per day. This will help reduce the risk of urinary tract infections.

#### Hygiene

Safe handling is more important than speed. Always wash your hands thoroughly as is demonstrated in the recommended guidelines when performing the technique and when cleaning your equipment.

#### Bowel Habits

It is important that your bowel functions regularly for you, this will make it easier to empty your bladder completely. Eat a well balanced diet with plenty of fruit and vegetables. If you become constipated contact your family physician, specialist or nurse.

For more information on managing and avoiding constipation visit our website at [www.iuga.org](http://www.iuga.org), go to the Patient Information section and select the constipation leaflet.

#### Before Catheterization

Whenever possible, always try and pass urine the normal way before you use a catheter. Try to relax your pelvic floor and avoid pressing down with your abdominal muscles.

#### Difficulties Inserting Your Catheter

Never use force or be in a hurry when inserting your catheter. If you meet resistance when inserting, stop, take a few slow breaths or gently cough while keeping steady pressure on the catheter. After a while the muscles will relax and the catheter will slide in.

If you continue to have difficulties contact your health professional for advice.

#### Traveling

If you go away on holiday, remember to take any supplies with you. Don't forget to pack some in your hand luggage!

#### Blood on the Catheter

Introducing the catheter can damage the urethral tissue but the damage will soon heal. You can continue to perform ISC. If force is required or ISC gets more painful and blood loss does not stop please contact your physician.

**Recognizing Infection**

With each introduction of the catheter there is a slight chance of urinary tract infection. This is because the catheter will provide a direct route for bacteria to enter the bladder. You are advised to seek medical help promptly for a possible urinary tract infection when you have the following symptoms:

- Feeling unwell and/or tired, loss of appetite, vomiting
- Fever, chills, shivering
- Pain or burning on passing urine or catheterizing
- Pain/aching back
- Cloudy or offensive smelling urine
- Persistent passing of blood in the urine.
- A frequent need to pass urine

**Guidelines to Frequency of ISC**

There will be variations to these guidelines

RESIDUAL .....	FREQUENCY
>400mls.....	4-6 times a day
400-300mls.....	3 times a day
300-200mls.....	Twice a day
200-100mls .....	Daily

Or as often as your doctor or nurse instructs.

**ISC RECORD**

Instructions:

- Drink at least 8 cups of fluid every 24 hours
- Measure each void of urine prior to catheterization and record pre catheter (voided) and drained catheter volume
- ISC as frequently as your doctor or nurse instructs

Date & Time	Void	Catheter output	Comments	Date & Time	Void	Catheter output	Comments



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