



SNS COLLEGE OF NURSING

saravanampatti(po),coimbatore-35

Affiliated to The Tamilnadu DR.MGR MEDICAL UNIVERSITY,Chennai

DEPARTMENT OF NURSING

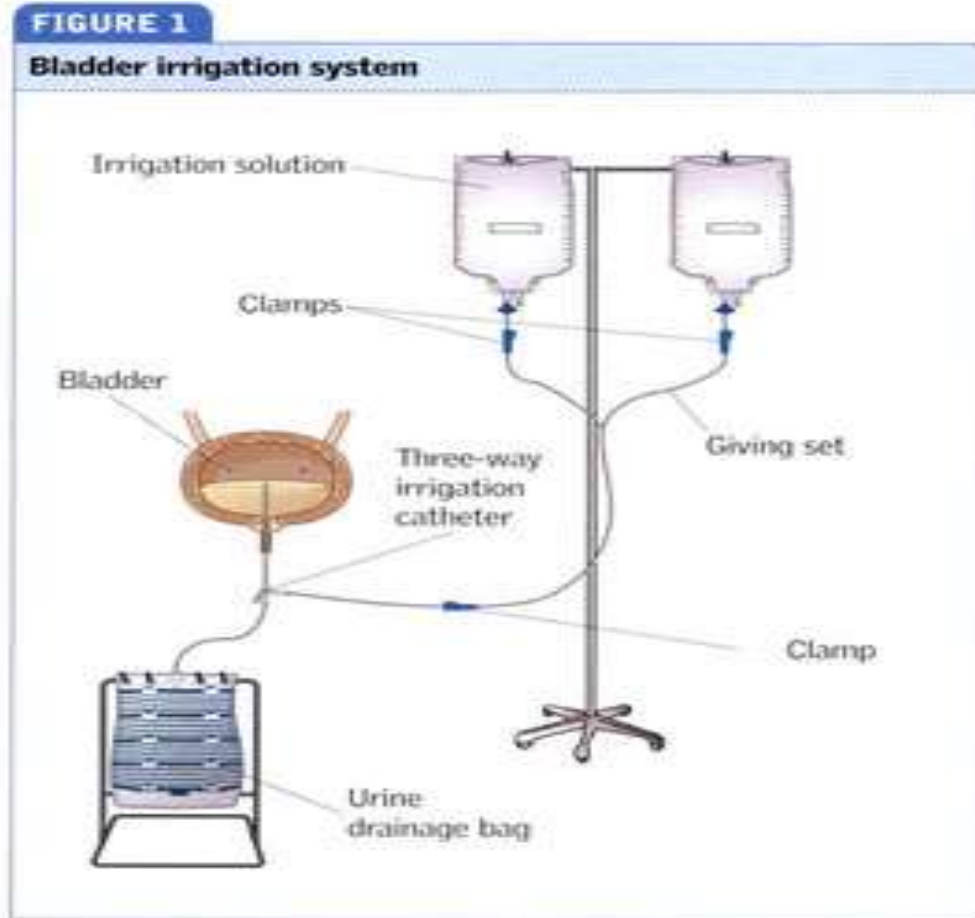
COURSE – 1 ST YEAR B.SC(N)

Subject-Nursing Foundation

UNIT: X- MEETING NEEDS OF PATIENT

TOPIC : BLADDER IRRIGATION

BLADDER IRRIGATION





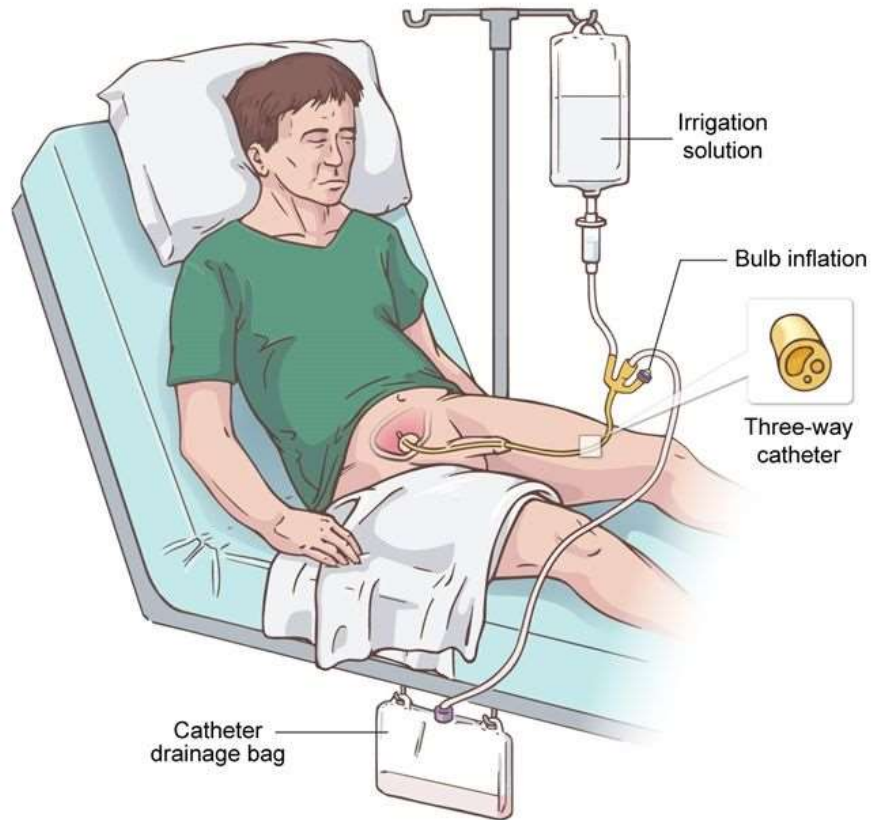
DEFINITION



- To flush out the urinary bladder with a liquid.

BLADDER IRRIGATION

Continuous bladder irrigation (CBI)



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PURPOSES



- To cleans the bladder from decomposed urine, bacteria, excess of mucus, pus and blood clots.
- To maintain the patency of the urinary catheter.
- To relieve congestion and pain in case of inflammatory conditions by the application of heat.



PURPOSES



- ✓ To promote healing.
- ✓ To prevent the clot formation in case of bladder surgeries.
- ✓ To prevent and treat infections.
- ✓ To arrest bleeding.



SOLUTIONS USED



- Sterile water
- Normal saline
- Glucose solutions 5%
- Boric acid 2%
- Potassium permanganate 1:10,000
- Acriflavin 1:10,000
- Silver nitrate 1:5000
- Acetic acid 1:400 to treat pseudomonas infection



GENERAL INSTRUCTIONS



- Should not be done without written order.
- As far as possible, bladder irrigation are to be avoided.
- The safest and most effective means of irrigating the urinary system is by “internal irrigation”.
- The fluid should be instilled gently and allowed to drain back by gravity.



GENERAL INSTRUCTIONS



- If the fluid flows easily into the bladder but fails to return, there is a clot over the eye of the catheter
- In such situation no more fluid is introduced into the bladder but try to dislodge the clot by milking the tubing. contd...
- Practice strict aseptic technique. All the articles that are used for the irrigation must be sterile.



GENERAL INSTRUCTIONS



- Wash hand before and after the procedure
- Maintain an accurate records of the amount of fluid used for irrigation and the total amount of urinary drainage. Subtract the total amount of fluid used, from the total amount of urinary drainage to find out the amount of urine secreted by the kidneys.



GENERAL INSTRUCTIONS



- For salt restricted patient use dextrose 5% solution instead of normal saline.
- Irrigation are carried out until the return flow is clear.
- The color of the drainage should be checked and recorded. If bleeding takes place stop the procedure and inform to the doctor.



GENERAL INSTRUCTIONS



- Record the procedure on the nurse's record with date and time. Recorded procedure should include- purposes, amount and kind of the solution used, amount and characteristics of the drainage from the bladder, result of irrigation, any complication etc.



ARTICLES



- ✓ Gloves
- ✓ Towel and mackintosh
- ✓ Three way retention catheter
- ✓ Sterile drainage tubing and bag in place
- ✓ Sterile antiseptic swab
- ✓ Infusion tubing & IV Stand
- ✓ Kidney tray



PRELIMINARY ASSESSMENT



- Check physician's order and nursing care plan
- Explain the procedure to the patient
- Provide privacy and drape for the patient
- Empty, measure and record the amount and appearance of urine present in the urine bag
- Arrange the articles



PRELIMINARY ASSESSMENT



- Wash hands and Done the gloving..
- Connect the irrigation infusion tubing to the irrigating solution and flush the tubing with solution.
- Connect the irrigation tubing to the input port of the 3 way catheter .
- Connect the drainage bag and tubing to the urinary drainage.



PROCEDURE



1. Intermittent irrigation:

- ✓ Instill the prescribed amount of irrigant.
- ✓ If specific amount is not ordered, fillup to 150 ml of irrigant and Clamp the irrigant tubing.
- ✓ Wait for the prescribed length of time.
- ✓ Open the clamp monitor the drainage as it flows into the drainage tube.



PROCEDURE



2. Continuous bladder irrigation

- ✓ Adjust the clamp on the irrigation tubing to allow the prescribed rate of irrigant to flow into the catheter and bladder
- ✓ Monitor to color, clarity debris and volume as it flows back into the drainage bag.



AFTER CARE



- Tape the catheter securely to the thigh
- Assess the patient's condition and tolerance of the procedure
- Discard all used disposable articles, clean and replace reusable articles
- Wash hands
- Record procedure in nurse's record.



ASSESSMENT



1. Define bladder irrigation?
2. List down the types of irrigation?
3. What are the solutions used for irrigation?



REFERENCE



- Sister Nancy, Fundamental Of Nursing; Principle &Practice of Nursing 12th edition.
- I Clement Basic Concepts on Nursing Procedures, Jaypee, publications
- Carol Taylor ,Fundamendals of Nursing, The Art and Science of person-centered care , south Asian Edition