INDWELLING URINARY CATHETER PLACEMENT

Equipment

Urinary catheter in sterile packaging
(If using Foley catheter sterile water for balloon inflation)
Vaginal speculum + light source
Sterile soft gauze swabs
0.05% chlorhexidine gluconate solution
Examination gloves
Sterile gloves
Sterile drape
Sterile water-soluble lubricant, e.g. KY Jelly
Kidney dish
5-10ml syringe
Clippers
Sterile lidocaine jelly (for female urinary catheter placement)
Suture material and butterfly tape.

Urinary catheter, and collection system, care

• All urinary catheters MUST be placed aseptically
• Use appropriate sized collection bag for the patient
• Ensure regular institution of the following:
• Wear examination gloves throughout the procedure.
• Wiping of admin set to collection bag with chlorhexidine solution on gauze from patient to bag – every 4 hours
• Particularly when using old fluid bags – change bag every 24 hours to reduce bacterial growth
• Before emptying the collection bag wipe exit port with spirit soaked swab
• Empty and record volume and colour/turbidity of urine, a dipstick analysis, specific gravity and sediment examination should also be performed on collected urine.
• Close exit port and re-wipe with spirit soaked swab
• DO NOT have collection bag on soiled surface or floor, use clean tray with incontinence sheet in, preferably also placing the collection bag in a zip-lock bag to minimize contamination.
• Ensure NO tension is placed on urinary catheter whilst dealing with the collection system.
• Ensure bag at same level as patient, or preferably below the height of the patient.
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**Procedure (female dog or cat)**

- Ensure patient is correctly restrained or sedated
- Position the patient
- Pre-measure the catheter to ensure the correct length is inserted to reach the bladder.
- Clip hair to ensure sterility can be maintained. Fresh clipper blades should be used for each patient (or the blades should be thoroughly cleaning and disinfected between patients). The table and equipment should be cleaned and disinfected between patients.
- Perform hand hygiene and don examination gloves
- Perform surgical scrub of the skin surrounding the vulva, rinse excess scrub away using water not surgical spirit
- Flush the vulva and vestibule at least 5 times using a 0.05% chlorhexidine solution
- Instill lidocaine gel into the vestibule
- Apply sterile gloves and drape the patient
- Ensure the stylet is correctly positioned and easily removable, if using a Foley catheter test the balloon.
- Mark the catheter so the minimum length to reach the bladder is known.
- Lubricate the catheter and the operators inserting finger.
- Insert the gloved palpating finger between the labia of the vulva
- If patient size permits, advance the finger to palpate the urethral papilla
- If patient size does not permit advancing, leave the finger between the labia of the vulva.
- Insert the catheter ventral to the finger and advance into the urethra and bladder.
- If urine is not obtained, ensure the catheter has been correctly placed into the urethra and bladder, and reposition if needed.
- Remove the palpating finger carefully, to avoid displacing the catheter.
- Inflate Foley catheter balloon if required.
- When placing an indwelling catheter, attached a sterile urine collection system, secure the catheter and the collection system to the patient, to avoid urethral traction and catheter movement.

**Procedure (male dog)**

- Ensure the patient is correctly restrained
- Position the patient.
- Pre-measure the catheter to ensure the correct length is inserted to reach the bladder.
- Clip hair to ensure sterility can be maintained.
- Perform hand hygiene and don examination gloves
- Perform surgical scrub of the skin surrounding the prepuce, rinse excess scrub away using water not surgical spirit
- Flush the prepuce at least 5 times using a 0.05% chlorhexidine solution
- Extrude the penis (using an assistant if required), so that it maintains it position until the catheter is placed.
- Carry out surgical prep of the extruded penis using 0.05% chlorhexidine solution
- Apply sterile gloves
- Drape the patient to ensure an adequate sterile field.
- Remove the catheter from the sterile packaging.
- If using a Foley catheter, test the balloon
- Mark the catheter in a sterile fashion, to indicate the length needed to reach the bladder.
- Lubricate the end of the catheter
- Insert the catheter into the penis and advance it into the bladder.
- Verify correct positioning of the catheter in the bladder, reposition if required.
- Inflate the Foley balloon if used.
- If the catheter is to be indwelling, attached a sterile collection system, secure both the catheter and the collection system to the patient to prevent urethral traction and catheter movement.