

Standard Operating Procedure (SOP) for administration of B Braun Uro-Tainer Solutio R Twin 6% Citric Acid catheter maintenance solutions (adult patients)

Document Details		
Title	Standard Operating Procedure (SOP) for administration of B Braun Uro-Tainer Solutio R Twin 6% Citric Acid catheter maintenance solutions (adult patients)	
Trust Ref No	2293-86036	
Author	Nicola Head Continence Nurse Specialist	
Related Trust policy	Urinary Catheter Care Policy for Adult Patients	
Approval process		
Who has been consulted in the development of this SOP?	Continence Advisory Service	
Approved by (Committee/Director)	Clinical Policies Group	
Approval Date	13/11/2023	
Review date	13/11/2026	
Amendments History		
No	Date	Amendment
1	Oct 2023	New Standard Operating Procedure

Standard Operating Procedure for administration of B Braun Uro-Tainer Solutio R Twin 6% Citric Acid catheter maintenance solutions (adult patients)

<ul style="list-style-type: none"> • Administration of catheter maintenance solutions (CMS) must be undertaken as a Standard Aseptic Non-Touch Technique (ANTT) procedure • Solutio R can be effective at dissolving severe encrustation, and should be used with caution, as it is more acidic than Suby G, and does not contain magnesium oxide to reduce tissue irritation • It can be used prior to catheter change for patients who experience discomfort or trauma when the catheter is withdrawn because of encrustation on and around the tip of the catheter • It is not recommended that Solutio R is used on a frequent and regular basis as a prophylactic catheter care regime
<p>Equipment: Sterile dressing pack (including sterile gloves) Non-sterile nitrile gloves Sterile Uro-Tainer Solutio R Twin 6% Citric Acid catheter maintenance solution Single use apron Alcohol hand gel</p> <p>Check that all items are within their expiry date and that packaging is undamaged</p>
<p>Check that a 'Patient Specific Direction' PSD (Authority to Administer) Authorisation Community Drug Sheet', or Medication Administration Record (MAR chart), or Drug Chart, has been completed by the prescriber, and that it is up to date</p>
<p>Assess whether there are any precautions to administration of Solutio R CMS:</p> <ul style="list-style-type: none"> - Undiagnosed haematuria - Known urological cancer - Fistula - Recent radiotherapy to the lower urinary tract / pelvis - Recent urological surgery - Spinal cord injury at T6 or above (risk of autonomic dysreflexia) <p>Use clinical judgment and seek advice from urology / GP / continence nurse specialists, if required</p>
<p>Explain the procedure to the patient, and gain consent</p>
<p>Check the patient has no known allergies to any of the equipment to be used</p>
<p>Decontaminate hands and put non-sterile gloves and apron on</p>
<p>Help the patient into a sitting or supine position, protect the bed / chair, and ensure privacy</p>
<p>Leave the Solutio R CMS in the outer packaging, and bring the solution up to body temperature by immersing it in lukewarm tap water</p>
<p>If catheter valve is being used, drain the bladder and lay valve on the bed or chair If urine drainage bag is being used, empty it and lay bag on the bed or chair</p>
<p>Remove gloves and decontaminate hands</p>
<p>Open sterile dressing pack, open Solutio R CMS and bag / valve onto sterile field, place dressing field under catheter, and put on sterile gloves</p>
<p>Disconnect bag / valve from catheter</p>

Open the white clamp on the CMS and administer the first chamber, via the catheter
Do not squeeze or force the solution in. Use gravity to instill the warmed solution into the bladder
Close the white clamp on the CMS bag and leave in position for 5 minutes

Ensure the empty CMS bag is below the level of the bladder, open the white clamp and allow the solution to drain back into the bag
Re close the white clamp

Repeat with the other chamber, using the green clamp on the CMS, and drain the solution back into the bag
Re close the green clamp, and leave the CMS attached to the catheter

Gently remove the catheter from the patient's bladder

Remove gloves and apron. Dispose of waste. Decontaminate hands

Seek advice from other health care professionals about any clinical concerns, queries or outcomes

Record consent, batch number, expiry date, solution used, manufacturer, procedure and outcomes in the patient's catheter care pathway documentation
Complete / update the patient's Catheter Card