

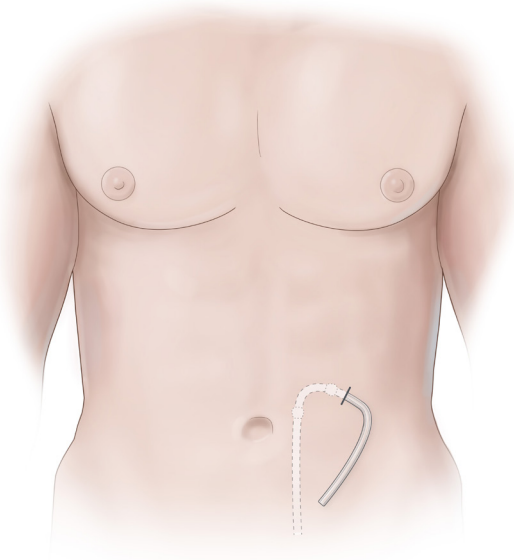
Technique guide

Peritoneal dialysis

Catheter embedding technique using the Ritus™ peritoneal dialysis tunneling tool kit

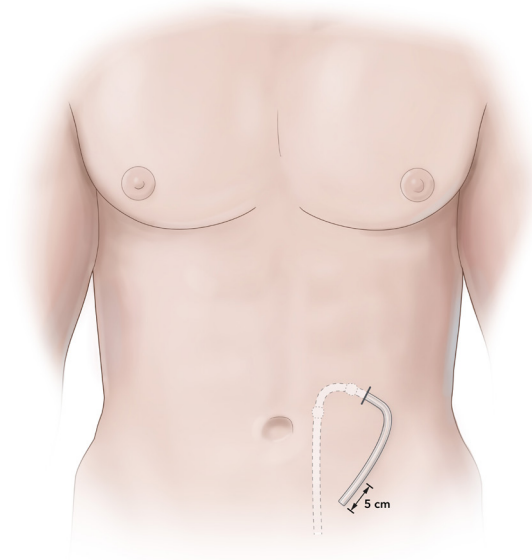
After implanting the catheter and verifying catheter patency, the catheter may be embedded using the steps below.

Healing time: Allow adequate time (~6-weeks) for proper tissue ingrowth prior to catheter externalization.



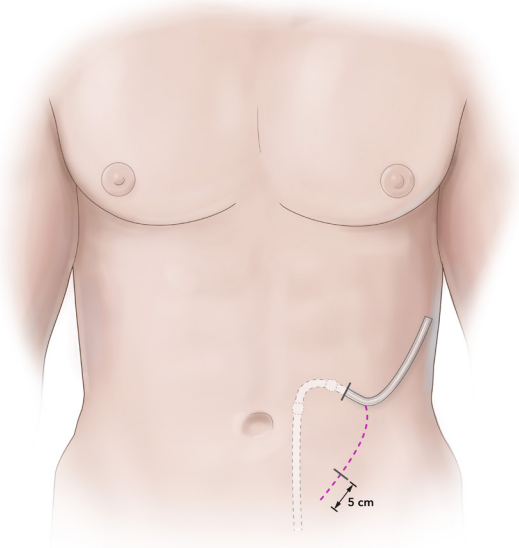
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- 1 Place the external portion of the catheter to be buried on the patient's abdomen.
- 2 Confirm the optimal exit site region on the patient's abdomen.



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- 3 Adjust the catheter into a curvilinear line and mark the end of the embedding track on the patient's abdomen, stopping approximately 5 cm from the distal end of the catheter.

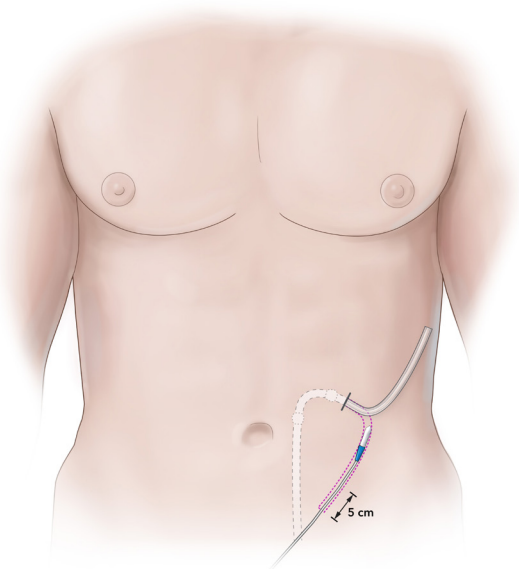


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- 4 Mark the tunnel track path with a surgical marker. If necessary, anesthetize the skin near the tunnel track.

Warning: DO NOT hold the device by the handle or remove the white cap while bending. Curve the tunneling device stylet only.

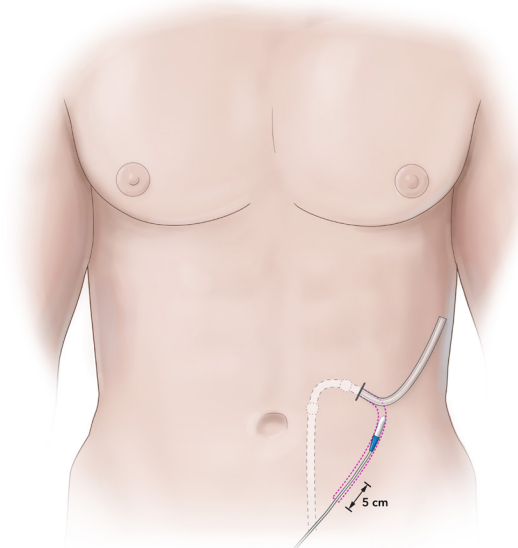
- 5 Make a 0.5 cm incision with a scalpel at the secondary exit site.



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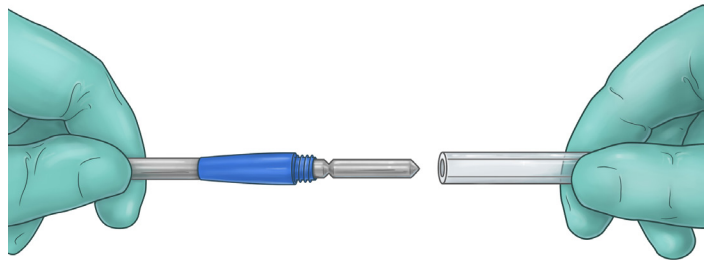
- 6 Insert the tip of the tunneling device, with the cap attached, into the secondary exit site incision through subcutaneous tissue towards the primary exit site.

Important: If encountering difficulty with tunnel completion, do not use excessive force. Instead, use metal forceps to dissect impenetrable tissue.



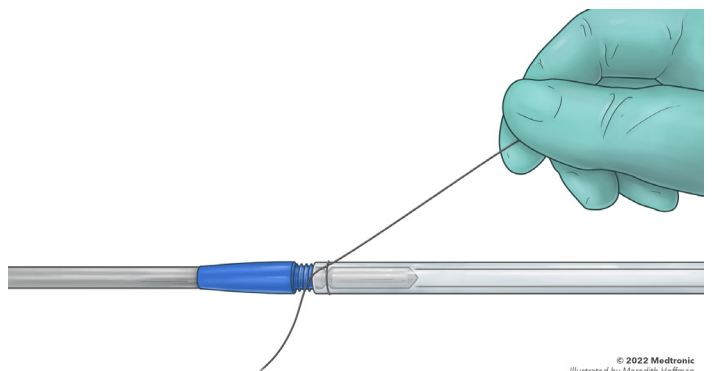
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- 7 Advance the handle of the tunneling device until the entire cap is exposed at the primary exit site.



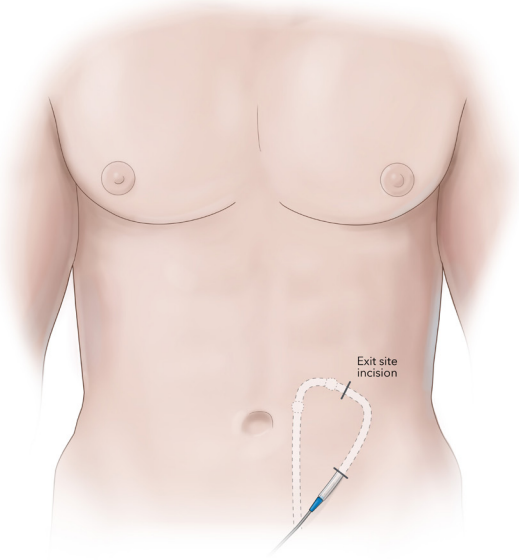
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- 8 Unscrew the threaded white cap from the tunneling device.
- 9 Attach the externalized end of the catheter onto the tunneling device tip until the end of the catheter meets the blue threads.



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- 10 Use a suture to secure the catheter to the tunneling device tip at the groove.



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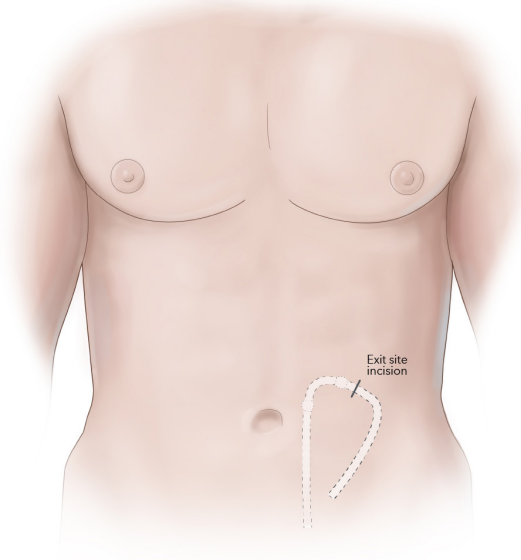
- 11 Retract the tunneling device through the subcutaneous tissue track until the end of the catheter is externalized at the secondary exit site.
- 12 Cut the catheter from the tunneling device adjacent to tip.

Warning: Avoid applying too much tension on the catheter to ensure cuff is not dislodged.



- 13 Infuse and lock the catheter, per hospital protocol.
- 14 Insert the catheter plug into the end of the catheter. Ensure the end of the catheter plug is flush against the end of the catheter.

Caution: Do not use a suture to secure plug in the catheter.



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- 15 Insert the end of the catheter, with the plug, down into subcutaneous tissue.

Note: If necessary, use forceps to push the plug into the subcutaneous tissue.
- 16 Close incision sites per hospital protocol. Do not suture the exit site. Complete incision closure with Steri Strip™* skin closures.
- 17 Apply sterile dressings. The catheter is now completely under the skin and is easily palpated.

The procedure and techniques described do not represent all medically acceptable protocols; physicians should always use their professional discretion and follow hospital protocol.

This guide covers use of the Ritus™ tunneling kit only. Please consult peritoneal dialysis catheter Instructions for Use for specific catheter insertion instructions.

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