



RankenJordan
PEDIATRIC BRIDGE HOSPITAL

Central Line: Broviac Dressing Change

What is a Broviac?

- A Broviac is type of central line. Central lines are long IV (intravenous) lines that go into a large blood vessel near the center of the body.
- Central lines are used for giving medications, fluids, IV nutrition and drawing blood.

Changing the Dressing on your child's Broviac

- Your child's home health nurse will be the one performing routine dressing changes. **You may need to change your child's dressing in an emergency.**
- Changing a Broviac dressing is a sterile procedure. Sterile technique minimizes the risk of germs infecting your child's line.
- **It is recommended to have two people present for the dressing change.**



Disclaimer: You will receive the dressing change supplies from your home health company or DME. The supplies inside the dressing change kit may look different from the supplies at Ranken Jordan. If you have any questions about the supplies, please contact your child's home health nurse.

When to emergently change your child's Broviac dressing?

- The dressing is peeling off.
- There is moisture under the dressing.
- The line becomes uncoiled and is coming out of the dressing.



How to change a Broviac dressing?

1. Choose a flat workspace within arm's reach of your child to place your supplies on, such as a small table or flat cart. Wipe down the area with disinfectant wipes and allow it to dry.
2. Gather the supplies needed for the dressing change:

 <p>Clean gloves</p>	 <p>Hand Sanitizer</p>	 <p>Adhesive Remover</p>
 <p>Sterile gloves</p>	 <p>Dressing change kit (with CHG disc if recommended for your child)</p>	 <p>Dressing</p>

3. Wash your hands with soap and water.
4. Open the central line dressing change kit and apply the face mask to yourself, the person helping you, and your child (if possible).
5. Open your sterile supplies and leave them on their sterile packaging. Be careful not to touch any of the supplies.
 - a. You should **ONLY** touch the sterile supplies when you have sterile gloves on. You should touch the outside packaging of sterile supplies with your clean hands.
 - b. Maintaining sterile technique is important for decreasing your child's chance of getting a central line infection.
6. Have the person helping apply the extra pair of sterile gloves. You will wear the pair of sterile gloves in the central line dressing change kit later on.



1
Open the pack of sterile gloves.



2
Unfold the paper.



3
Only touch the cuff part of the gloves.



4
Lift the glove by the cuff with one hand and slide the other hand into the glove.



5
Pull on the cuff to get your hand into the glove.



6
Pull the glove all the way onto your hand.



7
Pick up the other glove with your sterile gloved hand by reaching under the cuff.



8
Slide the other hand in and pull the glove on.



9
Do not touch anything that is **NOT** sterile with your sterile gloved hands.

7. Apply regular clean gloves and open the adhesive remover pads.
8. Gently remove the old dressing. Start by pulling up the edges and then moving towards the center. Use the adhesive remover pads to loosen the adhesive on the dressing.

9. Once you remove the dressing, have the person helping hold the line in place with their finger with the sterile glove on to prevent the line from moving.



10. Remove your clean gloves and use hand sanitizer.

11. Apply the sterile gloves in the dressing change kit. *Use the instructions in step 6 to apply the sterile gloves.*

12. Grab the Chloraprep (the cleaner soaked sponge) out of the dressing change kit. Pinch the wings together on the applicator to release the fluid into the sponge. Do not touch the sponge. Scrub the insertion site, surrounding skin, and the line itself with the chloraprep. Scrub for at least 30 seconds. Wait for the area to completely dry. Do **not** fan or blow on the site.



13. Once the site is dry, pick up the CHG disc out of the sterile package. Apply the disc around the insertion site. The edges of the disc should be touching each other and the writing on the patch should be facing up (not towards the skin).

14. Coil the line in a tight circle and face the end of the line away from the “dirty” areas on your child (like the diaper area).
15. Apply the new dressing over the line. When placing the dressing, make sure that the insertion site is in the middle of the dressing.
16. With a permanent marker, write the date the dressing was changed on the dressing. This will make it easy for your home health nurse to know when the dressing was changed.



When the call your child’s provider?

- Always call your home health company or provider with any questions or concerns about your child’s Broviac.
- If your child experiences any of the following symptoms:
 - Fever
 - Chills
 - Redness, pain, or swelling at the insertion site
 - Pain or tenderness when you flush the line
 - Drainage or bleeding from the insertion site
 - Trouble with the line (unable to flush, gets pulled out, or is damaged)
- Seek emergent help for your child if they experience the following symptoms:
 - Shortness of breath
 - Changes in level of consciousness

Special Considerations

If your child is allergic to any of the items used in a routine dressing change, your clinician will order specific supplies for your child. Ask the clinician for directions on how to use your child’s specific supplies.

This document contains information and/or instructional materials developed by Ranken Jordan Pediatric Bridge Hospital. This content does not replace medical advice, diagnosis, or treatment. Talk to your child’s health care provider if you have any questions about this document, your child’s condition, or your child’s treatment plan. If your child is not a Ranken Jordan Pediatric Bridge Hospital patient, this document does not create a doctor-patient relationship between your child and Ranken Jordan Pediatric Bridge Hospital.