

Venipuncture- Peripheral IV								
Supplies	Gloves	IV Start Kit	Antiseptic agent	20-24 G IV Catheter	sharps container	Extension set	Normal Saline	IV solution, pole, pump (if ordered)
<ol style="list-style-type: none"> 1. Review or obtain provider's order. 2. Gather and prepare necessary equipment and supplies. 3. Wash hands thoroughly prior to and after contact with the patient. 4. Confirm the patient's identity. 5. Provide privacy. 6. Explain procedure to patient and/or caregiver. 7. Assist the patient to a comfortable position (seated or recumbent), with the arms supported and extended down. 8. Put on gloves and, as needed, other protective equipment. 9. Organize the equipment and supplies on a clean surface. <ol style="list-style-type: none"> a. Prime IV extension set. b. If IV solution ordered, hang IV solution or medication with attached primed administration set on an IV pole/pump positioned close to the patient's bed. 10. Inspect and palpate the patient's veins to determine the best venipuncture site. 11. Apply a single-use tourniquet proximal to the intended venipuncture site to produce venous congestion. The tourniquet can be applied over clothing to avoid pinching of the skin. 12. Clean the venipuncture site using an antiseptic agent. Allow solution to dry completely. 13. Immobilize the vein by pressing 1" to 2" below the venipuncture site with your thumb and drawing the skin taut. 14. Instruct the patient to close the hand in a fist so the vein is more prominent (not too tightly). 15. Position the catheter needle bevel up and the shaft parallel to the path of the vein and at a 10-15 degree angle to the arm. 16. Puncture the patient's skin and anterior vein wall. Watch for blood to appear in the IV catheter, or flashback chamber. 17. Advance the catheter into the vein using the device's push-off tab to separate the catheter from the needle stylet, according to the manufacturer's instructions for use. 18. Release the tourniquet, instruct the patient to open the fist when blood begins to flow. 19. Activate the device's safety mechanism following the manufacturer's instructions for use. 20. To attach tubing, compress the patient's skin well above the catheter tip to stop blood flow. Attach the primed extension set, IV administration set, or needleless connector to the IV catheter hub. 21. Secure the IV catheter with tape, apply a transparent dressing over the insertion site. 22. Secure the IV extension/tubing beyond the primary IV dressing to the arm to decrease motion and accidental displacement. 								



Our Hospice of South Central Indiana Nursing- Clinical Guidelines

23. Date, time, and initial dressing.
24. Discard needles in a sharps disposal container.
25. Discard used supplies in appropriate receptacles.
26. Remove and discard your gloves and other personal protective equipment worn.
27. Perform hand hygiene.
28. Document the procedure and patient's response in the medical record.

References:

Lippincott Solution CRH IV Catheter Insertion

<https://procedures.lww.com/lnp/view.do?pld=7377604&hits=iv,peripheral,intravascular,intravascularly,intravenous&a=true&ad=false&q=Peripheral%20IV>

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Historical Reviews & Revisions:

Reviewed	Reviewer's Name(s)	Changes Made?
5/6/2025	Dr. Anderson, Amy Lowe Clinical Dir, Shannon Johnson Clinical Compliance	New