

Johns Hopkins Bayview Medical Center

GENERAL CLINICAL RESEARCH CENTER

Registered Nurses: Peripheral IV Blood Draw for Research Studies

Policy No.: 134

Original Date: May 5,2000

Previous Date:

Revised Date:

PURPOSE: To outline the procedure for obtaining venous blood specimens from a peripheral IV line for research studies.

General information:

1. A physician order is required before specimens may be obtained.
2. Strict sterile technique is to be maintained when a peripheral line system is opened.
3. If at any time the catheter does not function appropriately, intervene promptly.
4. Observe and report any swelling, erythema, or pain at IV site promptly.
5. Let blood remain at room temperature for one hour.
6. Spin blood for twenty minutes, then aliquot in pre-labeled tubes.
7. Observe fluid level consistently. Check to make sure IV is infusing.
8. Document the procedure

Equipment:

1. Alcohol wipes
2. Syringes for discard and/or blood draw
3. Non-sterile gloves
4. Tourniquet (optional)
5. Pre-labeled disposable glass culture tubes, or appropriate blood tubes as ordered
6. Biohazard waste container

Procedure: Blood Draw

1. Wash hands thoroughly
2. Put on non-sterile gloves
3. Explain procedure to participant
4. Re-position arm with peripheral IV
5. Turn off IV by closing clamp on IV line
6. Cleanseclave port with alcohol wipe
7. Use 3 ml syringe to withdraw 1ml waste fromclave port, then discard in biohazard waste container
8. With appropriate syringe or blood tube withdraw blood sample fromclave port. Place blood sample from syringe into the correct pre-labeled glass culture tube
9. Turn IV on to flush IV line. Resume ordered IV rate
10. Document blood loss

Originators: Senior Clinical Nursing staff, Clinical Nurse Specialist

References: None

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