

PICC LINE ACCESS

A Vascular Access & IV Fluid Therapy Protocol Supplement



PICC LINE ACCESS

- Objectives:
 - To understand how to and when to properly access an existing PICC line for fluid or medication administration using an aseptic technique
 - To understand the difference between a PICC line and a Med Port
 - To understand the contraindications for using a PICC line
 - To understand the components and anatomic placement of a PICC Line
 - Review the protocol for PICC Line

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- How to access



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- When to Access:

- Per Protocol: If the patient has a PICC line, the paramedic may use the PICC line for vascular access on any Priority 1 patient or with online medical control approval and bypass the other access attempts noted above. A PICC line can only be used for fluids and medications

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PICC LINE



MED PORT

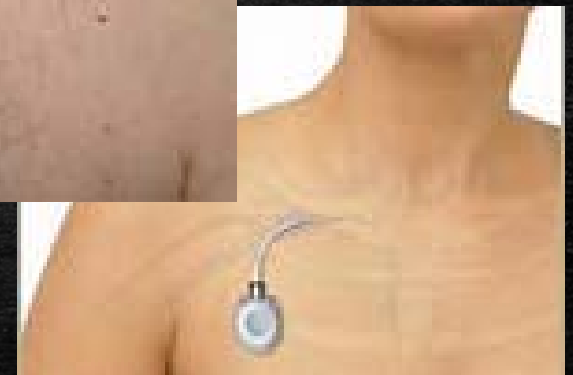


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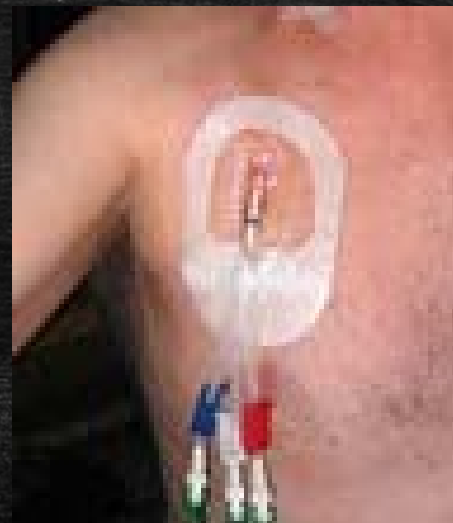
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MED PORT



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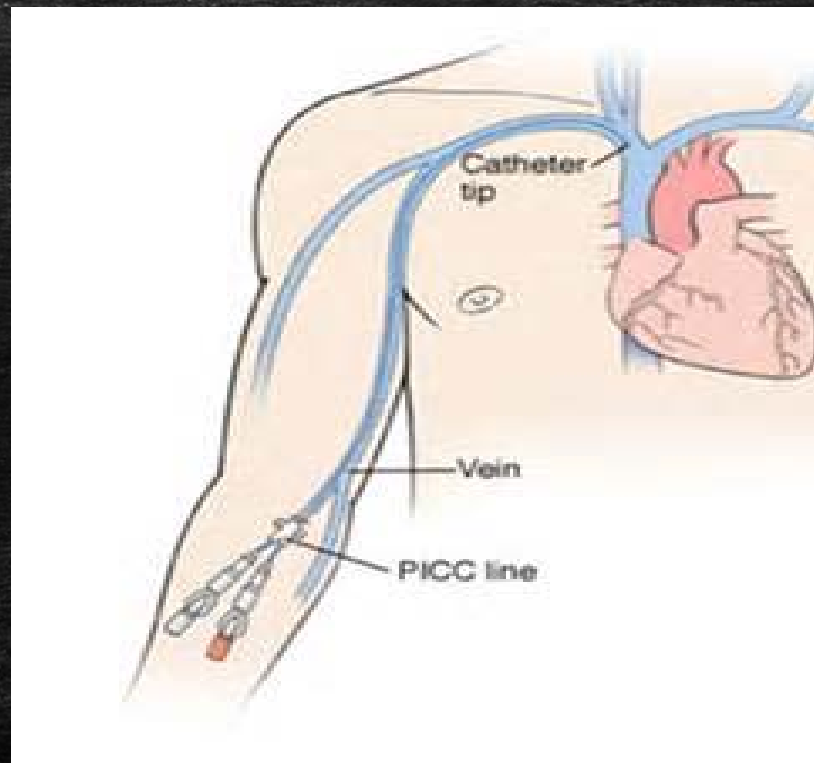
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- Contraindications for using:
 - The line cannot be flushed successfully prior to the medication/fluid administration
 - Some medication will push at a very slow rate

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- Components of a PICC Line:
 - Single or Double Lumen
 - Require adequate access to antecubital vein
 - Saline Flush; 20 cc's after administration

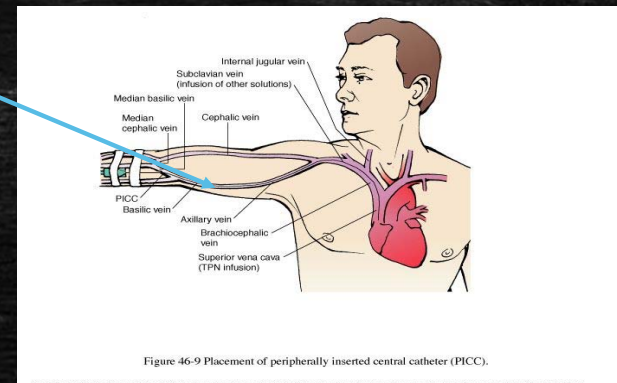
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- Anatomic Placement:

- Regardless of vein selection, the ideal point of insertion is just above the antecubital space
- Basilic Vein
 - Most optimal
 - Relatively superficial
 - Largest diameter with the greatest blood flow of the peripheral arm veins
 - Straightest route to the Superior Vena Cava



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- Anatomic Placement:
 - Median Cubital Vein
 - Smaller diameter
 - Variable course
 - A direct path to the basilic vein

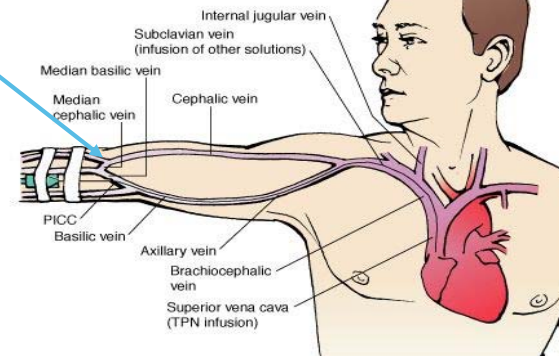


Figure 46-9 Placement of peripherally inserted central catheter (PICC).

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- Anatomic Placement:
 - Cephalic Vein
 - Narrow pathway
 - Angled at the axillary vein

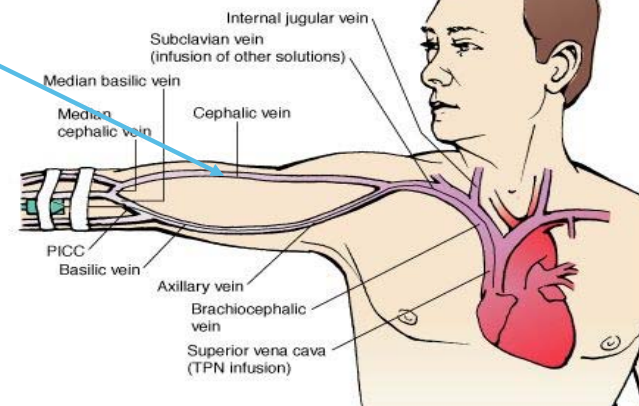
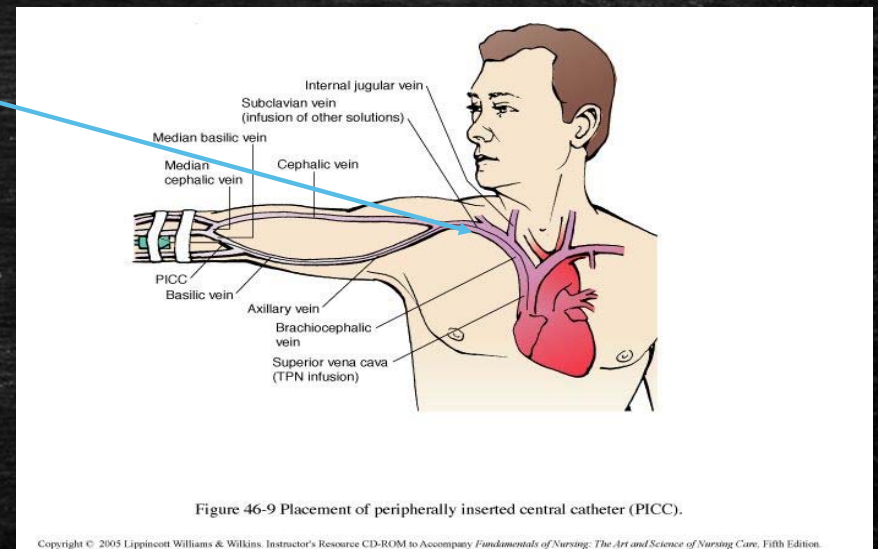


Figure 46-9 Placement of peripherally inserted central catheter (PICC).

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- Anatomic Placement:
 - Brachial Vein
 - Deep in soft tissue
 - Adjacent to Brachial Artery/Median nerve
 - Catheter may kink with insertion



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- Protocol Review:
 - Standards for IV attempts
 1. Two (2) attempts per provider, maximum attempts
 2. Consider IO early, as indicated above
 3. Document any reasons for deviation
 4. If the patient has a PICC line, the paramedic may use the PICC line for vascular access on any Priority 1 patient or with online medical control approval and bypass the other access attempts noted above. A PICC line can only be used for fluids and medications.
 - A. All cases where a PICC line has been accessed or was attempted to be accessed must be submitted to the GCMCA for review by the 15th of the following month.

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- Protocol Review:
 - B. All agencies will provide training to all paramedics on accessing PICC line consistent with an outline created by the GCMCA Education Committee

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- QUESTIONS?