



PICCs: Reducing Trauma is Possible

Consider factors that may promote trauma:

Catheter Composition

Stiff material can harm delicate skin, blood vessels, and surrounding tissue of neonatal patient.

Plastic polymers with plasticizers will not allow for long-term placement without complications.

Adherence to tissue causes difficulties during removal as well as necrosis.

Catheter Hub

Traditional, adult-style hub design can result in instances of excoriation or create a profile that increases the risk of physical interference.

Inadequately reinforced hub can promote breaking of the catheter, resulting in additional catheterizations and risk of intracorporeal migration.

Hub secured close to delicate tissues may allow for irritation or injury.

Catheter Position

Poor catheter radiopacity can result in vague x-ray images, and the subsequent need for contrast media infusion.

Incomplete depth markings can lead to improper PICC placement.

Inaccurate placement can result in cardiac arrhythmia or myocardial erosion and the risk of cardiac tamponade.

Practice Developmentally Friendly Care...

Choose a Catheter that is Designed to Reduce Trauma

Developmentally Friendly Material

Silicone is the ultimate biocompatible material.

Resiliently soft and, unlike all other materials, is non-irritating to vessel walls to avoid phlebitis.

Non-reactive to body tissues and body fluids, providing long-term care.

Non-supportive to bacterial growth. Non-thrombogenic resisting encrustation.

Non-adherent to tissues - allows easy removal and avoids necrosis.

Low-Profile Hub

An extended, low-profile hub is located away from the baby to minimize risk of necrosis.

Reduces baby's discomfort and tissue excoriation.

Reinforced hub reduces instances of catheter breakage.

Suture-wing design is ideal for hub securement.

Accurate Positioning

Depth markings at every centimeter provide accurate positioning.

Barium-Sulfate loaded catheter body to maximum level provides radiopacity for radiographic visualization.

Avoiding contrast media infusion provides clear visualization of catheter tip, which can be hidden in dense contrast media.



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