

PIVC securement and removal: Paediatrics

Use standard precautions

Tips

- Preparation is key. Discuss procedure with the child and their parent or carer. Gain verbal consent and check for allergies.
- Assemble the team and prepare equipment before bringing the child to the treatment room.
- **Do not** use self-adherent wrap such as Coban™ or non-stretch tape to secure splints.
- Use topical anaesthetic cream, distraction techniques, and comfort positioning as appropriate. Consider sucrose in infants or procedural sedation in children if necessary and with a medical order and consent.
- Difficulty cannulating? Escalate to a more experienced clinician after two failed attempts.
- Perform hourly PIVC checks including Touch/Look/Compare site condition assessment, visual infusion phlebitis (VIP) score, dressing intact, skin integrity and cannula patency.



1. PREPARE

Prepare equipment. Use elasticated tape for securing splints to limbs. Place gauze or cotton wool against the sticky part of the tape that will come into contact with the child's skin.



2. INSERT

Use aseptic non-touch technique and apply a barrier film. Insert the cannula and attach extension tubing. If indicated, secure hub with sterile tape.



3. SECURE

Apply a sterile, clear, semi-permeable dressing. Pinch tape around the hub and connector to ensure it is firm but not causing pressure. Keep the insertion site exposed.



4. IMMOBILISE

Immobilise the limb with a splint and tape. If indicated, place a small, foam tape 'pillow' under the connector to prevent pressure. Keep the insertion site exposed. ***Keep all fingers and toes exposed***



5. SECURE

Do not wrap tapes circumferentially around the limb and splint. Keep space between tape ends for ease of removal.



6. DOCUMENT

Cover with an elasticised bandage or net for securement and ease of removal for hourly site checks. Document details of procedure in the medical record.

Safety Alert: Do not use sharps or scissors when removing tapes. These tools have caused permanent injury to children. Manually unwrap the tape to remove. Consider using adhesive remover if necessary.