



THE SIP PROTOCOL

A GAVeCeLT bundle for the safe implantation of PICCs

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Key to uneventful insertion:

Use a bundle of evidence-based, cost-effective strategies:

US assessment

US guidance

Intracavitary EKG guide microintroducer technique

sutureless securement

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The SIP protocol

- 1. Hand washing, aseptic technique and maximal barrier protection
- 2. Bilateral US scan of all veins at arm and neck
- 3. Choice of the appropriate vein at midarm (vein mm = or > cath Fr)
- 4. Clear identification of median nerve and brachial artery
- 5. Ultrasound guided venipuncture
- 6. US scan of IJV during introduction of the PICC
- 7. EKG method for assessing tip position
- 8. Securing the PICC with a sutureless device

Goals of the SIP bundle

- Minimize complications related to venipuncture:
 - Failure, repeated punctures, nerve injury, arterial injury
- Minimize malpositions
- Minimize venous thrombosis
- Minimize dislocation
- Minimize infection

