

Peripherally Inserted Central Catheter Thrombosis Following Tip Confirmation via Electrocardiography vs. X-Ray

42,687

Patients with PICCs

21,589

PICC tip confirmed at cavo-atrial junction via EKG

21,098

PICC tip confirmed at cavo-atrial junction via Chest X-ray

DVT Occurred in 594 PICCs

239 in EKG group

355 in Chest X-ray Group

Following adjustment for patient and device factors

26%

Lower odds of DVT when PICC tip confirmed by EKG

Bedside tip confirmation by EKG is:

✓ Convenient



✓ Safe



✓ Associated with lower risk of DVT vs. Chest X-Ray

Electrocardiographic PICC tip confirmation at cavo-atrial junction improves patient safety, particularly in high risk patients