

Inter-rater reliability of a peripherally inserted central catheter insertion site between nurses and patients using the PICC-SAT

PICC Site Assessment Tool (PICC-SAT)

1) When was your PICC dressing last changed?

2) Is your PICC dressing still completely stuck to your arm?

- Yes
 No

3) Are any corners of the dressing lifting?

- Yes
 No

4) Apart from the original dressing, is there anything else being used to secure the PICC line to your arm (e.g. tape, elasticised tubular bandage cover)?

- Yes: _____
 No

5) When you look at the entry point of your PICC line, can you see any:

Redness?	Swelling?	Ooze? (e.g. blood)	Pus?
<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No	<input type="checkbox"/> No

6) Can you see a red line travelling from your PICC line on your arm?

- Yes: (Go to Q7)
 No: (Survey is complete)

7) Can you feel a hard lump when you feel along the red line?

- Yes
 No

Thank you for taking the time to complete this survey!

Prof Joan Webster, Ms Sarah Northfield, Ms Emily Larsen, Ms Nicole Marsh, Prof Claire Rickard, Prof Raymond Chan

Aim: To assess the inter-rater reliability of a new instrument – the PICC-SAT

Methods: Patients (n=73) were asked to self-assess their Peripherally Inserted Central Catheter (PICC) site/dressing using the PICC-SAT. This was then compared against the Research Nurse's assessment.

Findings: For important clinical signs (redness, swelling, ooze, pus, tracking) the kappa scores showed a high level agreement (97.3-100%); all others had substantial agreement (87.7-97.3%).

What does this mean? The 7-item PICC-SAT assessment tool has high reliability, and may be useful for patient in the home setting to self-assess for possible signs of localised infection or PICC dressing failure.