

ULTRASOUND GUIDED PERIPHERAL INTRAVENOUS ACCESS CHECKLIST

PREP:

- Machine with linear probe
- Long Angiocaths (2)
- IV setup
- position patient

PRESCAN:

- Locate vein of interest (basilic)
- Check for compressibility
- Ensure structure is not arterial
- Map path of vein

PLACEMENT OF IV (SHORT AXIS):

- Obtain short axis view of target vein
- Puncture skin as far back from probe as vein is deep
- Use 45 degree angle of approach
- Slide probe back to puncture site and identify needle
- Slide probe away until needle disappears
- Advance needle until it reappears on screen
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- repeat until needle echo appears in vein
- use vanishing target technique to ensure needle tip is in vein
- slide angiocath off of needle, secure IV as usual
- if needle tip lateral to vein, pull back and try again



PLACEMENT OF IV (LONG AXIS):

- Obtain long axis view of target vein
- Puncture skin at very edge of probe, exactly midline
- Use 45 degree angle of approach
- Advance needle continuously
- When needle tip enters vein, flatten and advance fully
- slide angiocath off of needle, secure IV as usual
- if unable to see needle echo on screen, pull back and reposition. be sure to keep needle in line with midline of long axis of probe.

