

### **Butterfly IV insertion:**

1. Set-up all equipment: hearts pumping (clamps open), flush syringe full, tape cut (on both sides of table), tourniquet out, gauze and alcohol ready, butterfly needle
2. Glove
3. Put on tourniquet (4-6 " above insertion site)
4. Palpate vein
5. Alcohol towards the heart
6. Loosen the cap on the end of the tubing. Check the needle for barbs
7. Apply counter-traction with non-dominant hand
8. Anchor the dominant hand
9. Angle needle at 30 degrees and insert ("poke coming")
10. Stop to look for flash
11. Insert a 'titch' further
12. Lower needle and insert the rest of the way
13. Put a piece of tape across the wings
14. Back flow the blood to get rid of air in tubing
15. Take off tourniquet
16. Pinch the butterfly tubing and attach to flush
17. Flush
18. Finish taping with an 'H'
19. Clean up space

### **Over-the-needle catheter IV insertion:**

1. Set-up all equipment: hearts pumping (clamps open), flush syringe full, tape cut (on both sides of table), tourniquet out, gauze and alcohol ready, over-the-needle catheter
2. Glove
3. Put on tourniquet (4-6 " above insertion site)
4. Palpate vein
5. Alcohol towards the heart
6. Loosen the cap on the end. Check the needle for barbs
7. Apply counter-traction with non-dominant hand
8. Anchor the dominant hand
9. Angle needle at 30 degrees and insert ("poke coming")
10. Stop to look for flash
11. Insert a 'titch' further
12. Lower needle and insert the *catheter only* the rest of the way
13. Three blood flow stoppers: take off tourniquet, leave the needle in, and use the 4-1&2 hold on the catheter
14. Pick up flush tubing and remove cap. Hold it between fingers 1 & 2
15. Remove the needle with fingers 3 & 4 and attach flush to catheter ("one out, one in")
16. Flush
17. Dry any blood
18. Pick up tape with fingers 2 and 4
19. Lift catheter and slide tape under. Lower catheter flat on to the arm
20. Secure using a chevron (cross-over approach). Make sure the tape is touching the hub of the catheter on both sides, and isn't touching the insertion site
21. Clean up work space.