STUDY GUIDE
INTRAVENOUS THERAPY: IV INSERTION; IV FLUID; IV MEDICATION

Directions: Print and complete the study guide. Turn it into your professor prior to the laboratory practice session.

1. Describe 5 important factors to consider when selecting a vein.
2. Compare and contrast butterfly needles and over the needle catheters for IV therapy.
3. Explain how to determine the appropriate catheter gauge for a client.
4. Describe client preparation for a venipuncture.
5. Describe the technique for performing venipuncture with a butterfly needle.
6. What should you observe if you successfully access the vein?
7. Describe the technique for performing venipuncture with an over-the-needle catheter. Include how to advance the catheter.
8. Explain the technique for securing the over-the-needle catheter in place.
9. What is a saline lock and heparin lock?
10. Explain when to use a saline flush; 10 units/ ml heparin flush; and 100 units/ ml heparin flush?
11. List pertinent information to be charted following a venipuncture.
12. Identify the two primary purposes for IV therapy.
13. Name all of the parts on infusion tubing.
14. Compare and contrast micro and macro drip devices.
15. Explain when to use a 0.22 micron filter, and where to attach it.
16. Before using an IV solution bag, what are important assessments that should be made?
17. Describe what is meant by priming the IV tubing.
18. Explain the importance of clamping the IV infusion tubing prior to spiking the IV solution bag.
19. Explain what is meant by an IV piggyback (IVPB).
20. Explain the importance of back-flushing the IV piggyback (secondary tubing) when a different medication is hung i.e. Vancomycin IVPB medication has infused and now Flagyl IVPB medication needs to be started using the same IVPB (secondary) tubing.
21. Describe the technique of backflushing IV piggyback (secondary) tubing.
22. Describe the technique of giving a medication IV bolus (also known as IV push).
23. Explain when to use a yellow Lever Lock cannula adapter.
24. Explain the criteria that indicate an IV catheter needs to be discontinued. Describe the signs and symptoms to assess, for each criterion.
25. List pertinent information to be charted following discontinuation of an IV catheter.