PRACTI-HEPARIN TRAINING PACK™
INSTRUCTIONAL GUIDELINES

STUDENT OBJECTIVES:

1. Demonstrate correct method for reading drug labels.
2. Calculate correct dosage amount using patient PTT levels and physician's orders.
3. Demonstrate sterile technique in syringe and vial handling.
4. Demonstrate the correct method for measuring air and injecting into the vials.
5. Correctly label the addition of IV Heparin to infusion bags.

PRACTI-HEPARIN VIAL INSTRUCTION:

1. Check labels on vials for solution type, expiration date and vial volume.
2. Calculate the dosage amount needed in advance and determine what vial strength is appropriate for use.
3. Instruct in vial protective cap removal and cleansing of tops prior to injection.
4. Draw up replacement air in syringe equal to the amount of solution to be withdrawn and explain why fluid displacement is necessary.
5. Place the vial on counter top to penetrate rubber top with needle.
6. Check that needle tip is above fluid level before injecting air.
7. Inject the replacement air, and invert vial and syringe to eye level, adjusting needle tip so that now it is under the solution level.
8. Rotate the syringe so that the calibrations can be read clearly, and draw up slightly more of the pre-calculated dosage from the vial.
9. Hold the syringe perfectly straight and tap the barrel to raise air bubbles, then expel air and solution to the calculated dosage amount and withdraw syringe.
10. Re-check the dosage and amount of solution in syringe before proceeding.

SYRINGE INSTRUCTION:

1. Instruct student in identification of TB syringe, needle gauges, and clinical uses.
2. Demonstrate syringe preparation for use if needle is attached: tightening of needle on syringe, removal of needle cap, loosening of plunger.
3. Review metric calibrations on syringe.
4. Demonstrate sterile aseptic technique in syringe and needle opening.
5. Demonstrate proper disposal of needles following use.

The practice in handling differently sized, and labeled vials, measuring and withdrawing solution using a tuberculin syringe, calculating dosages, and evaluating realistic clinical problems, will strengthen and reinforce those specific skills necessary in current practice. *For Instructional Purposes Only. Not for Human or Animal Injection.*

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