



Winter Park
TECH

Orange County Public Schools

WINTER PARK TECH

Institute for Corporate and Community Training

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wptech-getclasses.com

Course: IV Therapy

Duration: 32 hours

Textbook: Instructor will provide material. (See Modules' content)

Course Overview:

This Course includes 32 hours of training in 10 modules completed in a classroom setting with theory and skills practice. I.V. therapy and central line is approved by the Bureau of Regulation, State Board of Nursing, and the State Board of Respiratory Care. The course exceeds the state requirements for intravenous training and central venous management. Successful completion of this program will give the LPN, RN, Respiratory therapist and other healthcare professionals, competency in peripheral IV therapy and central venous management. For those LPN's who are transitioning to an RN program, IV Therapy is a prerequisite. This is also an excellent skills review for RN's.

Content:

Module 1

- Legal aspects of intravenous therapy for the licensed practical nurse
- Methods of delivering drugs intravenously
- Reasons for intravenous therapy
- Psychological preparation and support of the patient to receive intravenous therapy
- Infection control

Module 2

- Location and function of peripheral veins
- Venous access procedures
- Peripheral intravenous therapy equipment
- Troubleshooting and interventions
- Peripheral access documentation

Module 3

- Correctly equate the administration set drip rates for an intravenous infusion
- Explain the differences between the various infusion rates devices
- Identify the principle electrolyte to monitor during intravenous therapy
- Determine your patient's minimum 24 hours fluid requirement

- Identify laboratory values that are indicative of hydration status
- List the common types of intravenous solutions

Module 4

- Indications for central venous access devices placement
- Administration of medication
- Dressing change
- Changing administration set
- Drawing blood
- Flushing

Module 5

- Factors that can influence fluid flow rates
- Peripheral therapy localized complications with interventions
- Peripheral therapy systemic complications with interventions
- Signs and symptoms of an anaphylactic event
- First dosing

Module 6

- Complications of central venous therapy and central venous catheters

Module 7

- How to reconstitute a vial of dried medication for intravenous infusion
- Steps when administering an intravenous “push medication”
- Infusing a non-compatible “push medication” through an established line
- Use on an intermittent infusion set
- Setting up a secondary infusion set

Module 8

- History of blood component therapy
- Human blood groups
- Blood components and their uses
- Preparing the patient for a blood component transfusion
- Component administration
- Blood component administration documentation
- Transfusions reactions
- Reactions interventions
- Reactions workups

Module 9

- Principles of metabolism
- Nursing management of the patient receiving total parenteral nutrition

- Potential complications
- Nursing measures to ensure therapeutics response
- Laboratory monitoring during the course of the therapy

Module 10

- Chemotherapy
- I.V. therapy and the elderly
- Intravenous pain management
- Pediatrics intravenous therapy