



The Education Foundation of  
**National Association of Licensed Practical Nurses**

230 Washington Avenue Extension, Suite 101, Albany, NY 12203

518-694-5361 • Fax: 518-463-8656 • [www.nalpn.org](http://www.nalpn.org)

## IV Therapy Outline

1. Fluids, Electrolytes, and Acid-Base Balance
  - a. Body Fluids
  - b. Fluid Compartments
  - c. Fluid Regulation
  - d. Fluid Movement
  - e. Acid-Base Balance & Imbalance
  - f. Fluid Measurement (I & O, Diagnostics)
  
2. IV Fluid Administration
  - a. Solutions
  - b. Equipment
  - c. Site selection
  - d. Rate Calculation
  - e. Site Care
  - f. Prevention of complications
    - 1) Infection
    - 2) Air embolism
    - 3) Circulatory overload
    - 4) Phlebitis
    - 5) Infiltration
  - g. Venipuncture Techniques
  - h. Intermittent Access Devices
  - i. Discontinuing IV
  
3. Administration of Blood Products
  - a. Type and Crossmatch
  - b. Initiating and Monitoring Transfusions
  - c. Transfusion Reactions
  
4. Administration of Total Parenteral Nutrition
  - a. Indications for TPN
  - b. TPN Solutions
  - c. TPN Complications
  - d. TPN Site care
  
5. IV Medication Administration
  - a. Drug compatibility
  - b. Chemotherapy
  - c. Administration of Common IV Medications
  - d. Legal Issues
  
6. Special Considerations
  - a. Legal Issues
  - b. Pediatric Considerations
  - c. Geriatric Considerations
  - d. Infection control