

Covenant School of Nursing
Instructional Module 2 Learning Guide
Topic: Intravenous Therapy
Unit 3 – Week 3

Learning Goals/Outcomes

Upon completion of this lesson, you will be able to:

- Perform peripheral intravenous (IV) access
- Perform calculations required to safely administer intravenous medications (gravity, push)
- Implement standards of TJC and ISMP for safe medication administration
- Select correct materials needed to administer medication via peripheral and central intravenous sites
- Apply correct technique for administration of intravenous medication via gravity, piggyback, and push
- Implement Universal competencies during administration of intravenous medications

Pre-Class Preparation

Required:

- Potter and Perry Fundamentals of Nursing: Chapter 32 ➡ *Intravenous Administration*; Skills 32-6 and 32-7
- Chapter 42 ➡ *Parenteral Replacement of Fluids and Electrolytes through Discontinuing Peripheral Intravenous Access*; Skills 42-1, 42-2, 43-3, and 42-4

Additional Resources:

- Gahart's Intravenous Medications
- MAUDE Adverse Event Report: PREFILLED SALINE FLUSH SYRINGE
http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfMAUDE/detail.cfm?mdrfoi_id=2501052
- ISMP for safe medication administration <http://www.ismp.org/tools/>
- TJC Hospital National Patient Safety Goals
https://www.jointcommission.org/assets/1/6/2018_HAP_NPSG_goals_final.pdf
- ISMP Safe Practice Guidelines for Adult IV Push Medications
<http://www.ismp.org/Tools/guidelines/ivsummitpush/ivpushmedguidelines.pdf>

Learning Activities

Classroom Activities:

- Theory content
- Hands-on with equipment
- Plickers participation

Laboratory/Clinical Activities:

- Calculate and administer intravenous medications correctly in both simulation and clinical situations
- Perform peripheral IV access on a simulated patient and a hospitalized patient (if available)
- Discontinue peripheral IV access on a simulated patient and a hospitalized patient (if available)

Out of Class Work:

- **Required Friday Week 2**
 - o HESI – Essential Collection: Clinical Skills: Preventing Medication Errors, Performing Venipuncture, Preparing an Infusion Site, Troubleshooting Intravenous Infusion, Troubleshooting Vascular Access Device (CVAD), Using an Infusion Pump, Changing Intravenous Tubing and Fluids, Changing Intravenous Dressings, Discontinuing Intravenous Therapy, Regulating an Intravenous Infusion, Administering Medications by IV Bolus, Administering IV Medications by Piggyback – focus on the extended texts, demos, and take the tests
 - o HESI Drug Calculations Online – Module 10: Intravenous Preparations with Clinical Applications

Evaluation Methods

- Observation by faculty in clinical setting

<ul style="list-style-type: none"> • Performance Assessment • Week 3 Exam • Mock and graded CPEs 	
Texas DECs	QSEN Competencies
Knowledge: I A 1, 2, 4, 1 B 1a, 3, 7a, b & c; II C 2a, II D 1a, b, & c, II E 12; III A 4, III B 1a & 4; III C 2, IV E 3 Clinical Judgments and Behaviors: I A 1, 2, 3b; 1 B 2a, 3a & b, I B 4a, 5c; II D 2c, II E 11, II F 1a & 5a, III B 2, 3a, 3b, 3c, 4, & 5, IV E 4	EBP, Safety, Informatics, PCC
Graduate Competencies / Student Learning Outcomes	NCLEX Test Plan
1, 2, 3, 4, 5, 7, 8	Safety and Effective Care: Safety and Infection Control Psychosocial Integrity: Therapeutic Communication Physiological Integrity: Pharmacological and Parenteral Therapies, Reduction of Risk Potential
Concepts	Faculty
Professional Nursing: <i>Clinical Judgment, Communication, Professionalism, Ethics and Legal precepts</i> Professional Nursing Concepts: <i>Evidence-based practice; Safety, Health Information technology, Patient-centered care</i>	Vicky Allison, MSN, RN, CNE
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Topic: Intravenous Therapy cont'd

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