Covenant School of Nursing
Instructional Module 2 Learning Guide
Topic: Intravenous Therapy
Unit 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 on ➡ *Intravenous Administration*; and associated skills
- Chapter on ➡ *Parenteral Replacement of Fluids and Electrolytes* through *Discontinuing Peripheral Intravenous Access*; Include associated skills

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

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:

- 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
- HESI Drug Calculations Online – Module 10: Intravenous Preparations with Clinical Applications

Evaluation Methods

- Observation by faculty in clinical setting

• Simulation observation • Unit 3 Exam • Professional Skills Videos • 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: *Clinical Judgment, Communication, Professionalism, Ethics and Legal precepts* ***Professional Nursing Concepts:*** *Evidence-based practice; Safety, Health Information technology, Patient-centered care*	*Cherish Walker, MSN, RN*
Date originated: 11/29/15	***Revision Date: 04/2021, 03/2022***