

Pharmacology remediation Bailey Pierce

I. Substance Use and Other Disorders and Dependencies - (1)

- A. Substance Use Disorders: Teaching a Client about Nicotine Cessation with a Transdermal Patch (Active Learning Template - Medication)
 - 1. Apply to clean dry skin
 - 2. Avoid using nicotine products with patch on
 - 3. Stop using patch if local skin irritation occurs.

II. Adverse Effects/Contraindications/Side Effects/Interactions - (3)

- A. Medical Conditions: Monitoring a Client Receiving Magnesium Sulfate for Preterm Labor (Active Learning Template - Medication, RM MN RN 11.0 Chp 9 Medical Conditions)
 - 1. Monitor for Absence of patellar DTRs
 - 2. Urine output less than 30 mL/hr
 - 3. Decreased LOC
- B. Medications Affecting Urinary Output: Effects of Diuretics (Active Learning Template - Medication, RM Pharm RN 8.0 Chp 19 Medications Affecting Urinary Output v2)
 - 1. May cause Hypotension
 - 2. Ototoxicity
 - 3. Hypokalemia
- C. Medications Affecting Urinary Output: Notifying Provider of Adverse Effects of Mannitol (Active Learning Template - Medication, RM Pharm RN 8.0 Chp 19 Medications Affecting Urinary Output v2)
 - 1. Report signs of Lightheadedness
 - 2. GI distress
 - 3. Significant weight loss

III. Expected Actions/Outcomes - (2)

- A. Blood and Blood Products: Indications for Administration of Epinephrine (Active Learning Template - System Disorder, RM Pharm RN 8.0 Chp 27 Blood and Blood Products v2)
 - 1. Administer Epinephrine in situations such as : anxiety
 - 2. Shock
 - 3. Cardiac arrest
- B. Connective Tissue Disorders: Long-Term Adverse Effects of Glucocorticoids (Active Learning Template - Medication)
 - 1. Higher risk for infection
 - 2. Osteoporosis
 - 3. Adrenal suppression

IV. Medication Administration - (3)

- A. Complications of Diabetes Mellitus: Priority Intervention for Diabetic Ketoacidosis (Active Learning Template - System Disorder, RM AMS RN 11.0 Chp 83 Complications of Diabetes Mellitus)
 - 1. Check vital signs every 15 minutes until stable then every 4 hrs
 - 2. Start w/ rapid infusion of normal saline for first 1-3 hrs, then hypotonic solution
 - 3. Give insulin via IV rather subQ to provide immediate treatment
- B. Medications Affecting Coagulation: Teaching About Heparin Administration to a Newly Licensed Nurse (Active Learning Template - Medication, RM Pharm RN 8.0 Chp 25 Medications Affecting Coagulation v2)
 - 1. Obtain baseline vital signs
 - 2. Give SubQ in the abdomen 2 inches from the belly button.
 - 3. Monitor aTT every 4-6 hrs until appropriate dose is determined

- C. Opioid Agonists and Antagonists: Evaluating Medication Prescriptions (Active Learning Template - Therapeutic Procedure, RM Pharm RN 8.0 Chp 36 Opioid Agonists and Antagonists v2)
 - 1. Naloxone is available IM, IV, Subcutaneous
 - 2. Naltrexone is available orally, IM
 - 3. Buprenorphine is available IV, Sublingual, and transdermally

V. **Parenteral/Intravenous Therapies - (1)**

- A. Intravenous Therapy: Selecting a Site to Initiate IV Therapy (Active Learning Template - Basic Concept, RM Fund 10.0 Chp 49 Intravenous Therapy)
 - 1. Choose distal veins on non dominant hand first
 - 2. Look for a site that is not painful or bruised
 - 3. Find a vein that is not painful or bruised

VI. **Changes/Abnormalities in Vital Signs - (2)**

- A. Airflow Disorders: Monitoring for Adverse Effects of Albuterol (Active Learning Template - Medication, RM Pharm RN 8.0 Chp 17)
 - 1. adverse effects include: muscle aches
 - 2. Nervousness
 - 3. headache
- B. Medications Affecting Coagulation: Monitoring for Adverse Effects of Heparin (Active Learning Template - Medication, RM Pharm RN 8.0 Chp 25 Medications Affecting Coagulation v2)
 - 1. Monitor vital signs
 - 2. Monitor for bleeding, increased heart rate, decreased bp, petechiae
 - 3. Monitor aPTT. Keep value to 1.5-2 times baseline

VII. **Laboratory Values - (1)**

- A. Depressive Disorders: Laboratory Values to Report (Active Learning Template - Basic Concept)
 - 1. SSRIs-monitor sodium levels periodically
 - 2. SSRIs-monitor Kidney function (creatinine)
 - 3. SSRIs-monitor Liver function (ALT, AST)