## Pharmacology DCE™ Learning Objectives

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<tr>
<th>Learning Objectives</th>
<th>Learning Activities</th>
<th>John Larsen Case</th>
<th>Tina Jones Case</th>
<th>Doris Turner Case</th>
<th>Edward Carter Case</th>
<th>Med Math Activities</th>
<th>MOA Concept Labs</th>
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</thead>
<tbody>
<tr>
<td>Demonstrate understanding of concepts related to pharmacotherapeutic nursing practice for clients across the lifespan.</td>
<td>- Assess medication orders for appropriateness of medications, interactions and any contraindications</td>
<td>- Total knee arthroplasty</td>
<td>- Infected foot wound and acute pain</td>
<td>- Community-acquired pneumonia</td>
<td>- Kidney stones</td>
<td>Basic</td>
<td>- Anti-asthmatics</td>
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<td>- Review related pharmacological concepts following simulation activity</td>
<td>- History of HTN and hyperlipidemia</td>
<td>- History of diabetes mellitus type II and asthma</td>
<td>- History of hypothyroidism, diabetes mellitus type II, arthritis, HTN, atrial fibrillation, overactive bladder syndrome, depression, gout, and chronic kidney disease</td>
<td>- Administration of oral medications</td>
<td>Intermediate</td>
<td>- Antihypertensives</td>
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<td>- Review the relationship between pharmacologic agents and pathological responses through mechanism of action Concept Labs</td>
<td>- Administration of oral medications</td>
<td>- Administration of oral and IV medications</td>
<td>- Administration of oral medications</td>
<td>- Administration of oral medications</td>
<td>Complex</td>
<td>- Antidiabetics</td>
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<td>Discriminate information from evidence-based medication resources to guide practice and understand implementation of drug therapy.</td>
<td>- Assess medication orders for appropriateness of medications, interactions and any contraindications</td>
<td>- Identify inconsistent medications and/or medication errors in the MAR</td>
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<td>- Analgesics</td>
<td>- Anti-infectives</td>
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<td>- Utilize evidence based pharmacologic resources to guide understanding of medication implementation and patient teaching.</td>
<td>- Educate regarding medications to be administered</td>
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<td>- Provide patient education to communicate indications of medications, and signs/symptoms of potential serious adverse reactions</td>
<td>- Evaluate for effectiveness of administered medications</td>
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<td>- Evaluate patient for expected outcomes and any adverse effects from the medications administered</td>
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<td>Utilize the nursing process in planning the care of patients/clients receiving various pharmacologic agents to promote, maintain or restore health.</td>
<td>- Develop a mental model for safe medication administration</td>
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<td>- Interview for subjective data collection</td>
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<td>- Interview patient to determine current situation and appropriateness of current and as needed (prn) medications</td>
<td>- Interview for subjective data collection</td>
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<td>- Document in Nursing Notes</td>
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<td>- Document in EHR</td>
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<td>- Perform a focused physical examination to determine if medication-intervention is appropriate</td>
<td>- Document in Nursing Notes</td>
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<td>- Conduct a pharmacologic assessment of home medications to determine medication adherence</td>
<td>- Document medication administration in EHR appropriately</td>
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<td>- Document assessment findings in the EHR using appropriate medical terminology</td>
<td>- Document medication administration in EHR appropriately</td>
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### Recognize therapeutic effectiveness, common life-threatening effects and adverse reactions of various pharmacologic agents.

- Utilize evidence based pharmacologic resources to guide understanding of medication implementation and patient teaching.
- Provide patient education to communicate indications of medications, and signs/symptoms of potential serious adverse reactions.
- Evaluate patient for expected outcomes and any adverse effects from the medications administered.
- Educate regarding medications to be administered.
- Evaluate for effectiveness of administered medications.

### Demonstrate the principles of safe medication administration.

- Assess medication orders for appropriateness of medications, interactions and any contraindications.
- Assess for medication safety.
- Utilize evidence based pharmacologic resources to guide understanding of medication implementation and patient teaching.
- Retrieve medications checking for any safety concerns.
- Perform final check of medications at the bedside for safety of administration.
- Provide patient education to communicate indications of medications, and signs/symptoms of potential serious adverse reactions.
- Document medication administration in EHR appropriately.
- Evaluate patient for expected outcomes and any adverse effects from the medications administered.
- Identify contraindicated medications.
- Retrieve and administer medications.

### Utilize communication principles in the development of patient/client education related to pharmacotherapeutics to promote adherence and safety.

- Provide patient education to communicate indications of medications, and signs/symptoms of potential serious adverse reactions.
- Use empathetic, non-judgmental communication to establish rapport.
- Educate on potential serious adverse reactions.
- Educate on potential serious adverse reactions.
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### Demonstrate accurate calculation of medication dosages.

- Calculate drug dosages accurately.
- Medication calculation.
- Medication calculation.
- Medication calculation.
- Medication calculation.

### Utilize therapeutic communication skills in interaction with patients, colleagues and members of the health care team.

- Communicate to healthcare team using SBAR report.
- Complete SBAR report.

### Demonstrate ability to thoughtfully reflect on experiences to gain insight on your patient interactions and identify areas for improvement.

- Complete reflective practice questions regarding the learning activities and lessons learned in the simulation.
- Self reflection questions.
- Self reflection questions.
- Self reflection questions.
- Self reflection questions.