Supplemental Digital Content Table 1

Read/review the following prior to the simulation experience:

-The procedure for administering an oral medication in the Fundamentals textbook

-Administration of oral medications in the online dosage calculation program

Student Objectives:

1. Demonstrate proper technique for administration of a selected medication.
2. Discuss nursing interventions to ensure patient safety during medication administration.
3. Document administration of medication accurately on an electronic medical record.
4. Provide appropriate patient/family teaching for the selected medication.
5. Complete a post-simulation reflective thinking assignment and submit to instructor.

Medication Administration Grading Rubric

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| --- | --- | --- |
| Medication Administration Procedure | Points  Possible | Points  Received |
| Hand hygiene according to correct procedure | 1 |  |
| Proper identification of patient (2 identifiers) | 1 |  |
| Patient preparation (introduce self, explain procedure, comfort, positioning, individual preferences, etc.) | 1 |  |
| 6 rights of medication administration checked | 2 |  |
| 3 medication preparation checks performed | 2 |  |
| Knowledgeable about drug (class, mechanism of action, and why patient is receiving it) | 2 |  |
| Assessment information (allergies, pain assessment, previous side/adverse effects, etc.) | 2 |  |
| Administer medication according to correct procedure | 2 |  |
| Appropriate patient/family teaching (what the drug is for, side/adverse effects, any special considerations, such as dietary) | 3 |  |
| Assess patient (medication swallowed successfully, check for any difficulty, etc.) | 1 |  |
| Leave in position of comfort and safety following procedure | 1 |  |
| Documentation of medication done accurately | 1 |  |
| Drug calculation done correctly | 1 |  |

The post-simulation reflective thinking assignment should be completed by the student and turned in to the instructor in the Simulation Activity location on the Pharmacology class web site by one week following the activity. Students should address the following:

1. How could you go about supporting and encouraging patient preferences during medication administration to make care more individualized to each patient/family?
2. Discuss steps you would take if you suspected an error had occurred in administration of a drug to this patient on the shift previous to yours.
3. Describe what you would do if you had an order to give a medication by a route of administration you had never had the opportunity to do. Where would you go to find research-supported information to guide you in giving the medication?
4. Discuss measures you would take if you found an inappropriate medication order for a patient. What other members of the health care team would you involve in finding a solution to this problem?
5. Explain the most important thing you learned from this medication administration simulation and how you will use this in caring for patients.

Post-Simulation Reflective Thinking Grading Rubric

|  |  |  |
| --- | --- | --- |
| Reflective Thinking Criteria | Points  Possible | Points Received |
| 1. Supporting/encouraging individualized care | 2 |  |
| 1. Resolution of medication error | 2 |  |
| 1. Use of research-based information | 2 |  |
| 1. Collaboration with health care team members | 2 |  |
| 1. Personal experience self-reflection | 2 |  |

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