NON-OPIOID PAIN MANAGEMENT SYSTEM

PURPOSE: To outline the management of patients with an Non-opioid Pain Management System.

SUPPORTIVE DATA: The Non-opioid Pain Management System provides a continuous infusion of local anesthetic directly into the patient's operative site for postoperative pain management.

- It consists of a disposable infusion pump that has been filled with a volume of local anesthetic.
- The tubing connected to the pump has an in-line air and particulate-eliminating filter
- It is connected to a catheter that has been placed into the surgical site by the surgeon during the operation.
- The pump rate is set/changed by the provider only.

The Non-opioid pain management system may decrease but not eliminate the need for supplemental systemic pain medications. When the infusion is complete, the pump will be deflated and the catheter will be removed by the provider. An example of the pump is the On-Q®.

ASSESSMENT:

1. Assess the following a minimum of every 2 hours (ICU), every 4 hours (Acute Care Units):
   - Vital Signs
   - Pain score and location
2. Assess that pump infusion rate matches provider's order every shift.

3. Assess the following a minimum of every 4 hours (ICU), every 8 hours (Acute Care Units):
   - Catheter site
     - Transparent dressing is secure
     - For redness, swelling, pain, discharge, or leakage of local anesthetic from the system

4. Assess for side effects/ including local anesthetic toxicity:
   - Hypotension
   - Bradycardia
   - Palpitations
   - Restlessness
   - Seizure activity
   - Itching
   - Anxiety
   - Nausea and vomiting
   - Oral numbness
   - Metallic taste

MAINTENANCE:

5. Ensure the following:
   - Clamp is open
   - Tubing is not kinked
   - Cap is on the pump
   - No tape is covering the in-line filter
   - System does not get wet
   - Nothing is injected into the system
   - Dressing is not removed
   - Flow restrictor on the pump tubing is taped to the patient's skin
   - Flow restrictor does not come into contact with cold or hot therapy devices

REPORTABLE CONDITIONS:

6. Notify the provider immediately for:
   - Hypotension
   - Palpitations

- Bradycardia
- Restlessness
- Seizure activity
- Itching
- Anxiety
- Nausea and vomiting
- Oral numbness
- Metallic taste
- Unrelieved pain
- Dislodgement
- Signs/symptoms of infection

PATIENT/CAREGIVER EDUCATION:

7. Instruct on the following:
   - To protect the system from dislodgement
   - Not to manipulate the pump
   - Purpose of the system
   - Notify the nurse for:
     - Palpitations
     - Restlessness
     - Itching
     - Anxiety
     - Nausea and vomiting
     - Dizziness
     - Oral numbness
     - Metallic taste
     - Pain not controlled
   - To keep the system dry

ADDITIONAL STANDARD:

8. Implement the Pain Management Clinical Standard.

DOCUMENTATION:

9. Document in accordance with documentation standards:
   - In Orchid – under Lines and Devices Navigator Band- Customize – Medication Infusion Device- for label- choose Pain Pump (may also multi-select "other" for On-Q Device – choose site and laterality.

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Reference

AACN Procedure Manual for High Acuity, Progressive, and Critical Care. 7th Edition. Debra L. Wiegand. Elsevier. (2017).