

**Student Name:** Bikobo O. Sarkor

**Medication:** Oxycodone (OxyContin)

**Review Module Chapter:** NDH pg. 1109

**Category Class:** Opioid, Controlled substance

**Purpose of Medication:**

**Expected Pharmacological Action:**

- ❖ Alters perception of and emotional response to pain at spinal cord and higher levels of CNS
- ❖ Done by blocking release of inhibitory neurotransmitters (acetylcholine)

**Therapeutic Use:**

- ❖ **PO:** for alleviation of moderate to severe pain that can not be resolved by non-opioid analgesics or if pt. can not tolerate other products.
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**Medication Administration:**

- ❖ **Pain:** PO (Adults): 5 - 15 mg every 4 to 6 hours, with a maximum of 288mg daily in divided doses

**Complications:**

- ❖ **CNS:** seizures
- ❖ **CVS:** bradychardia, hypotension
- ❖ **EENT:** choking
- ❖ **RESP:** respiratory depression
- ❖ **OTHER:** hyponatremia

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### **Contraindications/Precautions:**

- ❖ **Contraindicated:** COPD, asthma, respiratory depression, pregnancy/breastfeeding

### **Interactions:**

- ❖ (Mark medications patient is on)
- ❖ **Drug-drug:** Increased risk of serotonin syndrome with drugs that affect the serotonin neurotransmitter; Increased risk of respiratory depression with alcohol use, benzodiazepines, other CNS depressants

### **Nursing Interventions:**

- ❖ Assess BP/Heart Rate
- ❖ Monitor for paradoxical increase in pain during administration known as opioid-induced hyperalgesia.
- ❖ Give with food to minimize gastric irritation

### **Client Education:**

- ❖ Change positions slowly
- ❖ FOLLOW THE DOSAGES ACCURATELY – do not increase dosages at home
- ❖ Elderly – fall risk

### **Evaluation of Medication Effectiveness:**

- ❖ Pain level – numeric