



HYDROMORPHONE HYDROCHLORIDE EXTENDED-RELEASE TABLETS

**HIGHLIGHTS OF PRESCRIBING INFORMATION**  
These highlights do not include all the information needed to use HYDROMORPHONE HYDROCHLORIDE EXTENDED-RELEASE TABLETS safely and effectively. See full prescribing information for HYDROMORPHONE HYDROCHLORIDE EXTENDED-RELEASE TABLETS.  
HYDROMORPHONE HYDROCHLORIDE EXTENDED-RELEASE TABLETS, for oral use, CII Initial U.S. Approval: 1984

**WARNING: ADDICTION, ABUSE, AND MISUSE; RISK EVALUATION AND MITIGATION STRATEGY (REMS); LIFE-THREATENING RESPIRATORY DEPRESSION; ACCIDENTAL INGESTION; NEONATAL OPIOID WITHDRAWAL SYNDROME; AND RISKS FROM CONCOMITANT USE WITH BENZODIAZEPINES OR OTHER CNS DEPRESSANTS**

See full prescribing information for complete boxed warning.  
Hydromorphone hydrochloride extended-release tablets exposes users to risks of addiction, abuse, and misuse, which can lead to overdose and death. Assess patient's risk before prescribing, and monitor regularly for these behaviors and signs and symptoms.

To ensure that the benefits of opioid analgesics outweigh the risks of addiction, abuse, and misuse, the Food and Drug Administration (FDA) has required a Risk Evaluation and Mitigation Strategy (REMS) for these products. (5.2)  
Serious, life-threatening, or fatal respiratory depression may occur. Monitor closely, especially upon initiation and during titration.  
Potential for hydromorphone hydrochloride extended-release tablets whole to avoid exposure to a potentially fatal dose of hydromorphone. (5.3)  
Accidental ingestion of hydromorphone hydrochloride extended-release tablets, especially by children, can result in fatal overdose of hydromorphone. (5.3)  
Prolonged use of hydromorphone hydrochloride extended-release tablets during pregnancy can result in neonatal opioid withdrawal syndrome, which may be life-threatening if not recognized and treated. If opioid use is required for a prolonged period in a pregnant woman, advise the patient of the risk of neonatal withdrawal syndrome and ensure that appropriate treatment will be available. (5.4)

**RECENT MAJOR CHANGES**  
Dosage and Administration (2.1, 2.2) 10/2019  
Warnings and Precautions (5.3, 5.12) 10/2019

**INDICATIONS AND USAGE**  
Hydromorphone hydrochloride extended-release tablets are an opioid agonist indicated in opioid-tolerant patients for the management of pain severe enough to require daily, around-the-clock, long-term opioid treatment and for which alternative treatment options are inadequate. Patients considered opioid tolerant are those who are taking, for one week or longer, at least 60 mg oral morphine per day, 25 mcg transdermal fentanyl per hour, 30 mg oral oxycodone per day, 8 mg oral hydromorphone per day, 25 mg oral oxycodone per day, 60 mg oral hydrocodone per day, or an equianalgesic dose of another opioid.

**CONTRAINDICATIONS**  
Opioid non-tolerant patients (4)  
Significant respiratory depression (4)  
Acute or severe bronchial asthma in an unmonitored setting or in absence of resuscitative equipment (4)  
Known or suspected gastrointestinal obstruction, including paralytic ileus (4)  
Narrowed or obstructed gastrointestinal tract (4)  
Known hypersensitivity to any components including hydromorphone hydrochloride and sulfites (4, 5.13)

**WARNINGS AND PRECAUTIONS**  
Life-Threatening Respiratory Depression in Patients with Chronic Pulmonary Disease or Elderly Cachectic Dehabilitated Patients: Monitor closely, particularly during initiation and titration. (5.6)  
Adrenal Insufficiency: If diagnosed, treat with physiologic replacement of corticosteroids, and warn patient off of the opioid. (5.7)  
Severe Hypotension: Monitor during dose initiation and titration. Avoid use of hydromorphone hydrochloride extended-release tablets in patients with circulatory shock. (5.8)  
Risks of Use in Patients with Increased Intracranial Pressure, Brain Tumors, Head Injury, or Impaired Consciousness: Monitor for sedation and respiratory depression. Avoid use of hydromorphone hydrochloride extended-release tablets in patients with impaired consciousness or coma. (5.9)

**ADVERSE REACTIONS**  
Most common adverse reactions (incidence >10%) are: constipation, nausea, vomiting, somnolence, headache, and dizziness. (6.1)  
To report SUSPECTED ADVERSE REACTIONS, contact XLCare Pharmaceuticals, Inc. at 1-866-495-1995 or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).

**DRUG INTERACTIONS**  
Sedative/Anesthetic: Concomitant use may result in serotonin syndrome. Discontinue hydromorphone hydrochloride extended-release tablets if serotonin syndrome is suspected. (7)  
Monoamine Oxidase Inhibitors (MAOIs): Can potentiate the effects of hydromorphone. Avoid concomitant use in patients receiving MAOIs or within 14 days of stopping treatment with an MAOI. (7)  
Mixed agonist/antagonist and partial agonist opioid analgesics: Avoid use with hydromorphone hydrochloride extended-release tablets because they may reduce analgesic effect of hydromorphone hydrochloride extended-release tablets or precipitate withdrawal symptoms. (5.12, 7)

**USE IN SPECIFIC POPULATIONS**  
Pregnancy: May cause fetal harm. (8.1)  
Lactation: Not recommended. (8.2)  
Severe Hepatic Impairment: Use not recommended. (8.6)  
Severe Renal Impairment: Consider an alternate analgesic. (8.7)

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide. **Revision: 10/20**

5.13 Sulfites  
5.14 Risks of Driving and Operating Machinery

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Sections or subsections omitted from the full prescribing information are not listed.

**FULL PRESCRIBING INFORMATION**

**WARNING: ADDICTION, ABUSE, AND MISUSE; RISK EVALUATION AND MITIGATION STRATEGY (REMS); LIFE-THREATENING RESPIRATORY DEPRESSION; ACCIDENTAL INGESTION; NEONATAL OPIOID WITHDRAWAL SYNDROME; AND RISKS FROM CONCOMITANT USE WITH BENZODIAZEPINES OR OTHER CNS DEPRESSANTS**

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Sections or subsections omitted from the full prescribing information are not listed.

Use the lowest effective dosage for the shortest duration consistent with individual patient treatment goals ([See Warnings and Precautions \(5\)](#)).

Initiate the dosing regimen for each patient individually, taking into account the patient's prior analgesic treatment experience and risk factors for addiction, abuse, and misuse ([See Warnings and Precautions \(5.1\)](#)).

Monitor patients closely for respiratory depression, especially within the first 24 to 72 hours of initiating therapy and following dosage increases with hydromorphone hydrochloride extended-release tablets and adjust the dosage accordingly ([See Warnings and Precautions \(5.3\)](#)).

Instruct patients to swallow hydromorphone hydrochloride extended-release tablets whole ([See Patient Counseling Information \(17\)](#)). Crushing, chewing, or dissolving hydromorphone hydrochloride extended-release tablets will result in uncontrolled delivery of hydromorphone and can lead to overdose or death ([See Warnings and Precautions \(5.1\)](#)).

**2.2 Initial Dosage**  
Conversion From Other Oral Hydromorphone Formulations to Hydromorphone Hydrochloride Extended-Release Tablets

Patients receiving oral immediate-release hydromorphone may be converted to hydromorphone hydrochloride extended-release tablets by administering a starting dose equivalent to the patient's total daily oral hydromorphone dose, taken once daily.

Conversion From Other Oral Opioids to Hydromorphone Hydrochloride Extended-Release Tablets

Discontinue all other around-the-clock opioid drugs when hydromorphone hydrochloride extended-release tablets therapy is initiated.

There is substantial inter-patient variability in the relative potency of different opioid drugs and opioid formulations. Therefore, a conservative approach is advised when determining the total daily dosage of hydromorphone hydrochloride extended-release tablets. It is safer to underestimate a patient's 24-hour oral hydromorphone dosage and provide rescue medication (e.g., immediate-release opioid) than to overestimate the 24-hour oral hydromorphone dosage and manage an adverse reaction due to overdose.

In an hydromorphone hydrochloride extended-release tablets clinical trial with an open-label titration period, patients were converted from their prior opioid to hydromorphone hydrochloride extended-release tablets using the Table 1 as a guide for the initial hydromorphone hydrochloride extended-release tablets dose. The recommended starting dose of hydromorphone hydrochloride extended-release tablets is 50% of the calculated estimate of daily hydromorphone requirement. Calculate the estimated daily hydromorphone requirement using Table 1.

Consider the following when using the information in Table 1:

- This is **not** a table of equianalgesic doses.
  - The conversion factors in this table are only for the conversion from one of the listed oral opioid analgesics to hydromorphone hydrochloride extended-release tablets.
  - The table cannot be used to convert from hydromorphone hydrochloride extended-release tablets to other opioid analgesics. Doing so will result in an overestimation of the dose of the new opioid and may result in fatal overdose.

Table 1.

Prior Oral Opioid	Approximate Oral Conversion Factor
Hydromorphone	1
Codeine	0.06
Hydrocodone	0.6
Methadone	0.6
Morphine	0.6
Oxycodone	0.6
Oxycodone	0.6
Oxycodone	0.6

To calculate the estimated hydromorphone hydrochloride extended-release tablets dose using Table 1:

- For patients on a single opioid, sum the current total daily dose of the opioid and then multiply the total daily dose by the conversion factor to calculate the approximate oral hydromorphone daily dose.
- For patients on a regimen of more than one opioid, calculate the approximate oral hydromorphone dose for each opioid and sum the totals to obtain the approximate total hydromorphone daily dose.
- For patients on a regimen of fixed-ratio opioid/non-opioid analgesic products, use only the opioid component of these products in the conversion.

Always round the dose down, if necessary, to the appropriate hydromorphone hydrochloride extended-release tablets strength available.

Example conversion from a single opioid to hydromorphone hydrochloride extended-release tablets:  
Step 1: Sum the total daily dose of the opioid  
30 mg of oxycodone 2 times daily = 60 mg total daily dose of oxycodone  
Step 2: Calculate the approximate equivalent dose of oral hydromorphone based on the total daily dose of the current opioid using Table 1  
60 mg total daily dose of oxycodone x Conversion Factor of 0.4 = 24 mg of oral hydromorphone daily  
Step 3: Calculate the approximate starting dose of hydromorphone hydrochloride extended-release tablets to be given every 24 hours, which is 50% of the calculated oral hydromorphone dose, rounded down, if necessary, to the appropriate hydromorphone hydrochloride extended-release tablet strengths available.

50% of 24 mg results in an initial dose of 12 mg of hydromorphone hydrochloride extended-release tablets once daily

Adjust individually for each patient

Close observation and frequent titration are warranted until pain management is stable on the opioid. Monitor patients for signs and symptoms of opioid withdrawal or for signs of over-sedation/poikilocytosis after converting patients to hydromorphone hydrochloride extended-release tablets.

Conversion from Transdermal Fentanyl to Hydromorphone Hydrochloride Extended-Release Tablets

Eighteen hours following the removal of the transdermal fentanyl patch, hydromorphone hydrochloride extended-release tablets treatment can be initiated. To calculate the 24-hour

hydromorphone hydrochloride extended-release tablets dose, use a conversion factor of 25 mcg/day to 12 mg of hydromorphone hydrochloride extended-release tablets. Then reduce the hydromorphone hydrochloride extended-release tablets dose by 50%.  
For example:  
Step 1: Identify the dose of transdermal fentanyl.

- 75 mg of transdermal fentanyl

  
Step 2: Use the conversion factor of 25 mcg/day fentanyl to 12 mg of hydromorphone hydrochloride extended-release tablets.

- 75 mg of transdermal fentanyl: 36 mg total daily dose of hydromorphone hydrochloride extended-release tablets

  
Step 3: Calculate the approximate starting dose of hydromorphone hydrochloride extended-release tablets to be given every 24 hours, which is 50% of the converted dose. Round down, if necessary, to the appropriate hydromorphone hydrochloride extended-release tablet strengths available.

50% of 36 mg results in an initial dose of 18 mg, which would be rounded down to 16 mg of hydromorphone hydrochloride extended-release tablets once daily

Adjust individually for each patient

Conversion from Methadone to Hydromorphone Hydrochloride Extended-Release Tablets

Close monitoring is of particular importance when converting from methadone to other opioid agonists. The ratio between methadone and other opioid agonists may vary widely as a function of previous dose exposure. Methadone has a long half-life and can accumulate in the plasma.

**2.3 Titration and Maintenance of Therapy**

Individualize titrate hydromorphone hydrochloride extended-release tablets to a dose that provides adequate analgesia and minimizes adverse reactions. Continually reevaluate patients receiving hydromorphone hydrochloride extended-release tablets to assess the maintenance of pain control and the relative incidence of adverse reactions, as well as monitoring for the development of addiction, abuse, or misuse. Frequent communication is important among the prescriber, other members of the healthcare team, the patient, and the caregiver/family during periods of changing analgesic requirements, including initial titration. During chronic therapy, periodically reassess the continued need for opioid analgesics.

Plasma levels of hydromorphone hydrochloride extended-release tablets are sustained for 18 to 24 hours. Dosage adjustments of hydromorphone hydrochloride extended-release tablets may be made in increments of 4 to 8 mg every 3 to 4 days as needed to achieve adequate analgesia.

Patients who experience breakthrough pain may require a dose increase of hydromorphone hydrochloride extended-release tablets, or may need rescue medication with an appropriate dose of an immediate-release opioid. The level of rescue medication should be titrated to identify the source of increased pain before increasing the hydromorphone hydrochloride extended-release tablets dose.

If unacceptable opioid-related adverse reactions are observed, the subsequent doses may be reduced. Adjust the dose to obtain an appropriate balance between management of pain and opioid-related adverse reactions.

**2.4 Safe Reduction or Discontinuation of Hydromorphone Hydrochloride Extended-Release Tablets**

Do not abruptly discontinue hydromorphone hydrochloride extended-release tablets in patients who may be physically dependent on opioids. Rapid discontinuation of opioid analgesics in patients who are physically dependent on opioids has resulted in serious withdrawal symptoms, uncontrolled pain, and suicide. Rapid discontinuation has also been associated with attempts to find other sources of opioid analgesics, which may continue with drug-seeking for abuse.

Patients may also attempt to treat their pain or withdrawal symptoms with illicit opioids, such as heroin, and other substances.

When a decision has been made to decrease the dose or discontinue therapy in an opioid-dependent patient taking hydromorphone hydrochloride extended-release tablets, there are a variety of factors that should be considered, including the dose of hydromorphone hydrochloride extended-release tablets the patient has been taking, the duration of therapy, the type of pain being treated, and the physical and psychological attributes of the patient. It is important to ensure ongoing care of the patient and to agree on an appropriate tapering schedule and follow-up plan so that patient expectations are clear and realistic. When opioid analgesics are being discontinued due to a suspected substance use disorder, evaluate and treat the patient, or refer for evaluation and treatment of the substance use disorder. Treatment should include evidence-based approaches, such as medication assisted treatment of opioid use disorder. Concomitant patients with comorbid pain and substance use disorders may benefit from referral to a specialist.

There are no standard opioid tapering schedules that are suitable for all patients. Good clinical practice dictates a patient-specific plan to taper the dose of the opioid gradually. For patients on hydromorphone hydrochloride extended-release tablets who are physically opioid-dependent, initiate the taper by a small enough increase to prevent an increase in pain to 25% of the total daily dose) to avoid withdrawal symptoms, and proceed with dose-lowering at an interval of every 2 to 4 weeks. Patients who have been taking opioids for brief periods of time may tolerate a more rapid taper.

It may be necessary to provide the patient with lower dosage strengths to accomplish a successful taper. Reassess the patient frequently to manage pain and withdrawal symptoms. Other common withdrawal symptoms include: reflexes, lacrimation, rhinorrhea, yawning, perspiration, chills, myalgia, and mydriasis. Other signs and symptoms also may develop, including irritability, anxiety, backache, joint pain, weakness, abdominal cramps, insomnia, nausea, anorexia, vomiting, diarrhea, or increased blood pressure, respiratory rate, or heart rate. If withdrawal symptoms arise, it may be necessary to pause the taper for a period of time or raise the dose of the opioid analgesic to the previous dose, and then proceed with a slower taper. In addition, monitor patients for any changes in mood, emergence of suicidal thoughts, or use of other substances.

When managing patients taking opioid analgesics, particularly those who have been treated for a long duration and/or with high doses for chronic pain, ensure that a multimodal approach to pain management, including mental health support (if needed), is in place prior to initiating an opioid analgesic taper. A multimodal approach to pain management may optimize the treatment of chronic pain, as well as assist with the successful tapering of the opioid analgesic ([See Warnings and Precautions \(5.2\)](#), [Drug Abuse and Dependence \(9.3\)](#)).

**2.5 Dosage Modifications in Patients with Moderate Hepatic Impairment**

Start patients with moderate hepatic impairment on 25% of the hydromorphone hydrochloride extended-release tablets dose that would be prescribed for patients with normal hepatic function. Closely monitor patients with moderate hepatic impairment for respiratory and central nervous system depression during initiation of therapy with hydromorphone hydrochloride extended-release tablets and during dose titration. Use of alternate analgesics is recommended for patients with severe hepatic impairment ([See Use in Specific Populations \(8.6\)](#)).

**2.6 Dosage Modifications in Patients with Renal Impairment**

Start patients with moderate renal impairment on 50% of the hydromorphone hydrochloride extended-release tablets dose that would be prescribed for patients with normal renal function. Closely monitor patients with renal impairment for respiratory and central nervous system depression during initiation of therapy with hydromorphone hydrochloride extended-release tablets and during dose titration. Use of alternate analgesics is recommended for patients with severe renal impairment ([See Use in Specific Populations \(8.7\)](#)).

**3 DOSAGE FORMS AND STRENGTHS**  
Extended-release tablets: available in 8 mg, 12 mg, 16 mg or 32 mg dosage strengths.

8 mg tablets: Light pink to pink film coated round, biconvex tablets printed with "266" in black ink on one side of the tablet.

12 mg tablets: Light yellow to yellow film coated, round, biconvex tablets printed with "267" in black ink on one side of the tablet.

16 mg tablets: Light beige to beige film coated, round, biconvex tablets printed with "268" in black ink on one side of the tablet.

32 mg tablets: White to off white film coated, round, biconvex tablets printed with "269" with black ink on one side of the tablet.

**4 CONTRAINDICATIONS**

Hydromorphone hydrochloride extended-release tablets are contraindicated in:

Opioid non-tolerant patients. Fatal respiratory depression could occur in patients who are not opioid tolerant.

Patients with significant respiratory depression ([See Warnings and Precautions \(5.3\)](#)).

Acute or severe bronchial asthma in an unmonitored setting or in the absence of resuscitative equipment ([See Warnings and Precautions \(5.6\)](#)).

Known or suspected gastrointestinal obstruction, including paralytic ileus ([See Warnings and Precautions \(5.3\)](#)).

Patients who have had surgical procedures and/or underlying disease resulting in narrowing of the gastrointestinal tract, or have "blind loops" of the gastrointestinal tract or release of potential obstruction ([See Warnings and Precautions \(5.10\)](#)).

Patients with hypersensitivity (e.g., anaphylaxis) to hydromorphone ([See Warnings and Precautions \(5.1\)](#)).

**5 WARNINGS AND PRECAUTIONS**

**5.1 Addiction, Abuse, and Misuse**

Hydromorphone hydrochloride extended-release tablets contains hydromorphone, a Schedule II controlled substance. As an opioid, hydromorphone hydrochloride extended-release tablets exposes users to the risks of addiction, abuse, and misuse ([See Drug Abuse and Dependence \(9\)](#)). As modified-release products such as hydromorphone hydrochloride extended-release tablets deliver the opioid over an extended period of time, there is a greater risk for overdose and death due to the larger amount of hydromorphone present.

Although the risk of addiction in any individual is unknown, it can occur in patients appropriately prescribed hydromorphone hydrochloride extended-release tablets and in those who obtain the drug illicitly. Addiction can occur at recommended doses and if the drug is misused or abused.

Assess each patient's risk for opioid addiction, abuse, or misuse prior to prescribing hydromorphone hydrochloride extended-release tablets, and monitor all patients receiving hydromorphone hydrochloride extended-release tablets for development of these behaviors and conditions. Risks are increased in patients with a personal or family history of substance abuse (including drug or alcohol addiction or abuse) or mental illness (e.g., major depression). The potential for these risks should not, however, prevent the prescribing of hydromorphone hydrochloride extended-release tablets when the benefits of therapy are expected to outweigh the risks.

Patients at increased risk may be prescribed modified-release opioid formulations such as hydromorphone hydrochloride extended-release tablets, but use in such patients necessitates intensive counseling about the risks and proper use of hydromorphone hydrochloride extended-release tablets along with intensive monitoring for signs of addiction, abuse, and misuse.

Abuse or misuse of hydromorphone hydrochloride extended-release tablets by crushing, chewing, snorting, or injecting the dissolved product will result in the uncontrolled delivery of hydromorphone and can result in overdose and death ([See Overdosage \(10\)](#)).

Opioids are sought by drug abusers and people with addiction disorders and are subject to criminal diversion. Consider these risks when prescribing or dispensing hydromorphone hydrochloride extended-release tablets. Strategies to reduce these risks include prescribing the drug in the smallest appropriate quantity and advising the patient on the proper disposal of unused drug ([See Patient Counseling Information \(17\)](#)). Contact local state professional licensing board or state controlled substances authority for information on how to prevent and detect abuse or diversion of this product.

**5.2 Opioid Analgesic Risk Evaluation and Mitigation Strategy (REMS)**

To ensure that the benefits of opioid analgesics outweigh the risks of addiction, abuse, and misuse, the Food and Drug Administration (FDA) has required a Risk Evaluation and Mitigation Strategy (REMS) for these products in accordance with the requirements of the REMS. Drug companies with approved opioid analgesic products must make REMS-compliant education programs available to healthcare providers. Healthcare providers are strongly encouraged to do all of the following:

Complete a REMS-compliant education program offered by an accredited provider of continuing education (CE) or another education program that includes all the elements of the FDA Education Blueprint for Health Care Providers Involved in the Management or Support of Patients with Pain.

Discuss the safe use, serious risks, and proper storage and disposal of opioid analgesics with patients and/or their caregivers every time these medicines are prescribed. The Patient Counseling Guide (PCG) can be obtained at this link: [www.fda.gov/OpioidAnalgesicREMSPCG](http://www.fda.gov/OpioidAnalgesicREMSPCG).

Emphasize to patients and their caregivers the importance of reading the Medication Guide due to they will receive from their pharmacist every time an opioid analgesic is dispensed to them.

Consider using other tools to improve patient, household, and community safety, such as patient-prescriber agreements that reinforce patient-prescriber responsibilities.

To obtain further information on the opioid analgesic REMS and a list of accredited REMS CME/CE, call 1-800-503-0784, or log on to [www.opioidanalgesicrems.com](http://www.opioidanalgesicrems.com). The FDA Blueprint can be found at [www.fda.gov/OpioidAnalgesicREMSBlueprint](http://www.fda.gov/OpioidAnalgesicREMSBlueprint).

**5.3 Life-Threatening Respiratory Depression**

Serious, life-threatening, or fatal respiratory depression has been reported with the use of modified-release opioids, even when used as recommended. Respiratory depression from opioid use, if not immediately recognized and treated, may lead to respiratory arrest and death. Management of respiratory depression may include close observation, supportive measures, and use of opioid antagonists, depending on the patient's clinical status ([See Overdosage \(10\)](#)). Carbon dioxide (CO<sub>2</sub>) retention from opioid-induced respiratory depression can exacerbate the sedating effects of opioids.

While serious, life-threatening, or fatal respiratory depression can occur at any time during the use of hydromorphone hydrochloride extended-release tablets, the risk is greatest during the initiation of therapy or following a dosage increase. Closely monitor patients for respiratory depression, especially within the first 24 to 72 hours of initiating therapy with hydromorphone hydrochloride extended-release tablets and following dosage increases.

To reduce the risk of respiratory depression, proper dosing and titration of hydromorphone hydrochloride extended-release tablets are essential ([See Dosage and Administration \(2\)](#)). Overestimating the hydromorphone hydrochloride extended-release tablets dose when converting patients from another opioid product can result in fatal overdose with the first dose.

Accidental ingestion of even one dose of hydromorphone hydrochloride extended-release tablets, especially by children, can result in respiratory depression and death due to an overdose of hydromorphone.

Opioids can cause sleep-related breathing disorders including central sleep apnea (CSA) and sleep-related hypoventilation. Opioid use increases the risk of CSA in a dose-dependent fashion. In patients who possess with CSA, consider decreasing the opioid dosage using best practices for opioid taper ([See Dosage and Administration \(2.4\)](#)).

**5.4 Neonatal Opioid Withdrawal Syndrome**

Prolonged use of hydromorphone hydrochloride extended-release tablets during pregnancy can result in withdrawal in the neonate. Neonatal opioid withdrawal syndrome, unlike opioid withdrawal syndrome in adults, may be life-threatening if not recognized and treated, and requires management according to protocols developed by neonatology experts. Observe newborns for signs of neonatal opioid withdrawal syndrome and manage accordingly. Advise pregnant women using opioids for a prolonged period of the risk of neonatal opioid withdrawal syndrome and ensure that appropriate treatment will be available ([See Use in Specific Populations \(6.1\)](#), [Patient Counseling Information \(17\)](#)).

**5.5 Risks from Concomitant Use with Benzodiazepines or Other CNS Depressants**

Profound sedation, respiratory depression, coma, and death may result from the concomitant use of hydromorphone hydrochloride extended-release tablets with benzodiazepines or other CNS depressants (e.g., non-benzodiazepine sedatives/hypnotics, anxiolytics, tranquilizers, muscle relaxants, general anesthetics, antipsychotics, other opioids, alcohol). Because of these risks, reserve hydromorphone hydrochloride extended-release tablets for patients for whom alternative treatment options are inadequate.

Observational studies have demonstrated that concomitant use of opioid analgesics and benzodiazepines increases the risk of drug-related mortality compared to use of opioid analgesics alone. Because of similar pharmacological properties, it is reasonable to expect similar risk with concomitant use of other CNS depressant drugs with opioid analgesics ([See Drug Interactions \(7\)](#)).

If the decision is made to prescribe a benzodiazepine or other CNS depressant concomitantly with an opioid analgesic, prescribe the lowest effective dosages and minimum durations of concomitant use. In patients already receiving an opioid analgesic, prescribe a lower initial dose of the benzodiazepine or other CNS depressant than indicated in the absence of an opioid, and titrate based on clinical response. An opioid analgesic is initiated in a patient already taking a benzodiazepine or other CNS depressant, prescribe a lower initial dose of the opioid analgesic, and titrate based on clinical response. Follow patients closely for signs and symptoms of respiratory depression and sedation.

Advise both patients and caregivers about the risks of respiratory depression and sedation when hydromorphone hydrochloride extended-release tablets are used with benzodiazepines or other CNS depressants (including alcohol and illicit drugs). Advise patients not to drive or operate heavy machinery until the effects of concomitant use of the benzodiazepine or other CNS depressant have been determined. Screen patients for risk of substance use disorders, including opioid use misuse and addiction, mental illness, depression, anxiety, panic disorder, and history of alcohol use. In addition, advise patients of the risk of respiratory depression with the use of additional CNS depressants including alcohol and illicit drugs ([See Drug Interactions \(7\)](#), [Patient Counseling Information \(17\)](#)).

**5.6 Life-Threatening Respiratory Depression in Patients with Chronic Pulmonary Disease or in Elderly, Cachectic, or Debilitated Patients**

The use of hydromorphone hydrochloride extended-release tablets in patients with acute or severe bronchial asthma in an unmonitored setting or in the absence of resuscitative equipment is contraindicated.

Patients with Chronic Pulmonary Disease: Hydromorphone hydrochloride extended-release tablets treated patients with significant chronic obstructive pulmonary disease or cor pulmonale, and those with a substantially decreased respiratory reserve, hypoxia, hypercapnia, or pre-existing respiratory depression are at increased risk of decreased respiratory drive including apnea, even at recommended dosages of hydromorphone hydrochloride extended-release tablets ([See Warnings and Precautions \(5.3\)](#)).

Elderly, Cachectic, or Debilitated Patients: Life-threatening respiratory depression is more likely to occur in elderly, cachectic, or debilitated patients because they may have altered pharmacokinetics or altered clearance compared to younger, healthier patients ([See Warnings and Precautions \(5.3\)](#)).

Monitor such patients closely, particularly when initiating and titrating hydromorphone hydrochloride extended-release tablets and when hydromorphone hydrochloride extended-release tablets are given concomitantly with other drugs that depress respiration ([See Warnings and Precautions \(5.3\)](#), [\(5.5\)](#)). Alternatively, consider the use of non-opioid analgesics in these patients.

**5.7 Adrenal Insufficiency**

Cases of adrenal insufficiency have been reported with opioid use, more often following greater than one month of use. Presentation of adrenal insufficiency may include non-specific symptoms and signs including hypotension, nausea, vomiting, weakness, dizziness, and postural blood pressure. If adrenal insufficiency is suspected, confirm the diagnosis with diagnostic testing as soon as possible. If adrenal insufficiency is diagnosed, treat with physiologic replacement doses of corticosteroids. When the patient off of the opioid to allow adrenal function to recover and continue corticosteroid treatment until adrenal function recovers. Other opioids may be tried

