

Parameters	Remarks	Parameters	Remarks
Product name/Generic name	Mitigo (morphine sulfate inj., USP)	Market/Country	USA
Strength	N/A	Barcode	N/A
Component	Insert leaflet	Material Code	028015
Dimensions	482.6 x 454.03 mm	Superseded Material Code	024973
Specification	N/A	Artwork Number	N/A
Font Set & Min. Size	Arial Narrow 8pt.	Superseded Artwork Number	N/A
Partline number	Process Black	MAH	PCC Inc. USA
DieLine - no print		CTM	N/A
Cut Margins/Peel off Margins	N/A	Special Instructions	N/A
Unvarnished Zone	N/A	Pharma Code	N/A
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### HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use MITIGO safely and effectively. See full prescribing information for MITIGO.

**MITIGO (morphine sulfate injection, USP - Preservative-free) injectable solution for intrathecal or epidural infusion, using a continuous microinfusion device, CII Initial U.S. Approval: 1941**

**WARNING: RISKS WITH NEURAXIAL ADMINISTRATION; LIFE-THREATENING RESPIRATORY DEPRESSION; RISK OF ADDICTION, ABUSE, AND MISUSE; NEONATAL OPIOID WITHDRAWAL SYNDROME; and RISKS FROM CONCOMITANT USE WITH BENZODIAZEPINES OR OTHER CNS DEPRESSANTS**

See full prescribing information for complete boxed warning.

- Single-dose neuraxial administration may result in acute or delayed respiratory depression up to 24 hours. Because of the risk of severe adverse reactions when MITIGO is administered by the epidural or intrathecal route of administration, patients must be observed in a fully equipped and staffed environment for at least 24 hours after the initial dose [see Warnings and Precautions (5.1)].
- Serious, life-threatening, or fatal respiratory depression may occur. Monitor closely, especially upon initiation or following a dose increase. Patients must be observed in a fully equipped and staffed environment for at least 24 hours after each test dose and, as indicated, for the first several days after surgery. (5.2)
- MITIGO 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 conditions. (5.3)
- Prolonged use of MITIGO during pregnancy can result in neonatal opioid withdrawal syndrome, which may be life-threatening if not recognized and treated. If prolonged opioid use is required in a pregnant woman, advise the patient of the risk of neonatal opioid withdrawal syndrome and ensure that appropriate treatment will be available. (5.4)
- Concomitant use of opioids with benzodiazepines or other central nervous system (CNS) depressants, including alcohol, may result in profound sedation, respiratory depression, coma, and death. Reserve concomitant prescribing for use in patients for whom alternative treatment options are inadequate; limit dosages and durations to the minimum required; and follow patients for signs and symptoms of respiratory depression and sedation. (5.5, 7)

### INDICATIONS AND USAGE

MITIGO (Morphine Sulfate Injection, USP - Preservative-free) is an opioid agonist, for use in continuous microinfusion devices and indicated only for intrathecal or epidural infusion in the management of intractable chronic pain severe enough to require an opioid analgesic and for which alternative treatments are inadequate. (1)

### DOSEAGE AND ADMINISTRATION

- Administration should be limited to use by those familiar with the management of respiratory depression. (2.1)
- Should be administered by or under the direction of a physician experienced in the techniques of epidural or intrathecal administration. (2.1)
- Patients should be observed in a fully equipped and staffed environment for at least 24 hours after each test dose and, as indicated, for the first several days after surgery. (2.1)
- Use the lowest effective dose for the shortest duration consistent with individual patient treatment goals. (2.2) Individualized dosing based on the severity of pain, patient response, prior analgesic experience, and risk factors for addiction, abuse, and misuse. (2.2)
- **Initial Dosage:** Must be individualized, based upon in-hospital evaluation of the response to serial single-dose epidural bolus injections of regular morphine sulfate injection, USP 0.5 mg/mL or 1 mg/mL, with close observation for analgesic efficacy and adverse effects prior to surgery involving the continuous microinfusion device. (2.2)
- **Dosage for Epidural Administration:** Initial dose range of 3.5 to 7.5 mg/day for patients with no tolerance to opioids. The usual starting dose for continuous epidural infusion in patients with some degree of opioid tolerance is 4.5 to 10 mg/day and may increase significantly during treatment to 20-30 mg/day. (2.3)

### FULL PRESCRIBING INFORMATION; CONTENTS\*

**WARNING: RISKS WITH NEURAXIAL ADMINISTRATION; LIFE-THREATENING RESPIRATORY DEPRESSION; RISK OF ADDICTION, ABUSE, AND MISUSE; NEONATAL OPIOID WITHDRAWAL SYNDROME; and RISKS FROM CONCOMITANT USE WITH BENZODIAZEPINES OR OTHER CNS DEPRESSANTS**

### 1 INDICATIONS AND USAGE

### 2 DOSEAGE AND ADMINISTRATION

- Important Dosage and Administration Instructions
- Initial Dosage
- Dosage for Epidural Administration
- Dosage for Intrathecal Administration
- Titration and Maintenance of Therapy
- Discontinuation of MITIGO

### 3 DOSEAGE FORMS AND STRENGTHS

### 4 CONTRAINDICATIONS

### 5 WARNINGS AND PRECAUTIONS

- Risks with Neuraxial Administration
- Life-Threatening Respiratory Depression
- Addiction, Abuse, and Misuse
- Neonatal Opioid Withdrawal Syndrome
- Risks from Concomitant Use with Benzodiazepines or Other CNS Depressants
- Risk of Inflammatory Masses
- Risk of Tolerance and Myoclonic Activity
- Life-Threatening Respiratory Depression in Patients with Chronic Pulmonary Disease or in Elderly, Cachectic, or Debilitated Patients
- Interaction with Monoamine Oxidase Inhibitors
- Adrenal Insufficiency
- Severe Hypotension
- Risks of Use in Patients with Increased Intracranial Pressure, Brain Tumors, Head Injury, or Impaired Consciousness

### FULL PRESCRIBING INFORMATION

#### BOXED WARNING

**WARNING: RISKS WITH NEURAXIAL ADMINISTRATION; LIFE-THREATENING RESPIRATORY DEPRESSION; RISK OF ADDICTION, ABUSE, AND MISUSE; NEONATAL OPIOID WITHDRAWAL SYNDROME; and RISKS FROM CONCOMITANT USE WITH BENZODIAZEPINES OR OTHER CNS DEPRESSANTS**

#### Risks with Neuraxial Administration

Because of the risk of severe adverse reactions when MITIGO is administered by the epidural or intrathecal route of administration, patients must be observed in a fully equipped and staffed environment for at least 24 hours after the initial (single) test dose and, as appropriate, for the first several days after catheter implantation [see Warnings and Precautions (5.1)].

#### Life-Threatening Respiratory Depression

Serious, life-threatening, or fatal respiratory depression may occur with use of MITIGO. Monitor for respiratory depression, especially during initiation of MITIGO or following a dose increase. Patients must be observed in a fully equipped and staffed environment for at least 24 hours after each test dose and, as indicated, for the first several days after surgery [see Warnings and Precautions (5.2)].

#### Addiction, Abuse, and Misuse

MITIGO exposes patients and other users to the risks of opioid addiction, abuse, and misuse, which can lead to overdose and death. Assess each patient's risk prior to prescribing MITIGO, and monitor all patients regularly for the development of these behaviors and conditions [see Warnings and Precautions (5.3)].

#### Neonatal Opioid Withdrawal Syndrome

Prolonged use of MITIGO during pregnancy can result in neonatal opioid withdrawal syndrome, which may be life-threatening if not recognized and treated, and requires management according to protocols developed by neonatology experts. If opioid use is required for a prolonged period in a pregnant woman, advise the patient of the risk of neonatal opioid withdrawal syndrome and ensure that appropriate treatment will be available [see Warnings and Precautions (5.4)].

#### Risks From Concomitant Use With Benzodiazepines Or Other CNS Depressants

Concomitant use of opioids with benzodiazepines or other central nervous system (CNS) depressants, including alcohol, may result in profound sedation, respiratory depression, coma, and death [see Warnings and Precautions (5.5), Drug Interactions (7)].

- Reserve concomitant prescribing of MITIGO and benzodiazepines or other CNS depressants for use in patients for whom alternative treatment options are inadequate.
- Limit dosages and durations to the minimum required.
- Follow patients for signs and symptoms of respiratory depression and sedation.

### 1 INDICATIONS & USAGE

MITIGO is for use in continuous microinfusion devices and indicated only for intrathecal or epidural infusion in the management of intractable chronic pain severe enough to require an opioid analgesic and for which less invasive means of controlling pain are inadequate.

#### Limitations of Use

Not for single-dose intravenous, intramuscular, or subcutaneous administration due to the risk of overdose. Not for single-dose neuraxial injection because MITIGO is too concentrated for accurate delivery of the smaller doses used in this setting.

### 2 DOSEAGE AND ADMINISTRATION

#### 2.1 Important Dosage and Administration Instructions

MITIGO should be administered by or under the direction of a physician experienced in the techniques of epidural or intrathecal administration and familiar with the patient management problems associated with epidural or intrathecal drug administration.

- Because of the risk of delayed respiratory depression, patients should be observed in a fully equipped and staffed environment for at least 24 hours after each test dose and, as indicated, for the first several days after surgery.
- Because epidural administration has been associated with less potential for immediate or late adverse effects than intrathecal administration, the epidural route should be used whenever possible.
- For safety reasons, it is recommended that administration of MITIGO 200 mg/20 mL and 500 mg/20 mL (10 and 25 mg/mL, respectively) by the intrathecal route be limited to the lumbar area.

- **Dosage for Intrathecal Administration:** Initial dose range of 0.2 to 1 mg/day for patients with no tolerance to opioids. The range of doses for patients with some degree of opioid tolerance varies from 1 to 10 mg/day. Doses above 20 mg/day should be employed with caution. (2.4)
- Do not stop MITIGO abruptly in a physically dependent patient. (2.6)

-----**DOSEAGE FORMS AND STRENGTHS**-----  
Injection: 200 mg/20 mL (10 mg/mL) Preservative-free amber glass single-dose vials  
Injection: 500 mg/20 mL (25 mg/mL) Preservative-free amber glass single-dose vials (3)

-----**CONTRAINDICATIONS**-----

- Significant respiratory depression (4)
- Acute or severe bronchial asthma in an unmonitored setting in absence of resuscitative equipment (4)
- Concurrent use of monoamine oxidase inhibitors (MAOIs) or use of MAOIs within the last 14 days (4)
- Known or suspected gastrointestinal obstruction, including paralytic ileus (4)
- Hypersensitivity or intolerance to morphine (4)
- Neuraxial administration of MITIGO is contraindicated in patients with:
  - Infection at the injection microinfusion site (4)
  - Concomitant anticoagulant therapy (4)
  - Uncontrolled bleeding diathesis (4)
  - The presence of any other concomitant therapy or medical condition which would render epidural or intrathecal administration of medication especially hazardous. (4)

-----**WARNINGS AND PRECAUTIONS**-----

- **Risk of Inflammatory Masses:** Monitor patients receiving continuous infusion of MITIGO via indwelling intrathecal catheter for new signs or symptoms of neurologic impairment. (5.6)
- **Risk of Tolerance and Myoclonic Activity:** Monitor patients for unusual acceleration of neuraxial morphine, which may cause myoclonic-like spasm of lower extremities. Detoxification may be required. (5.7)
- **Life-Threatening Respiratory Depression in Patients with Chronic Pulmonary Disease or in Elderly, Cachectic, or Debilitated Patients:** Monitor closely, particularly during initiation and titration. (5.8)
- **Adrenal Insufficiency:** If diagnosed, treat with physiologic replacement of corticosteroids, and wean patient off of the opioid. (5.10)
- **Severe Hypotension:** Monitor during dosage initiation and titration. Avoid use of MITIGO in patients with circulatory shock. (5.11)
- **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 MITIGO in patients with impaired consciousness or coma. (5.12)

### ADVERSE REACTIONS

Most serious adverse reactions were respiratory depression, apnea, circulatory depression, respiratory arrest, shock, and cardiac arrest. Other common frequently observed adverse reactions include: sedation, lightheadedness, dizziness, nausea, vomiting, and constipation. (6)

**To report SUSPECTED ADVERSE REACTIONS, contact Piramal Critical Care, Inc. at 1-888-822-8431 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.**

### DRUG INTERACTIONS

- **Serotonergic Drugs:** Concomitant use may result in serotonin syndrome. Discontinue MITIGO if serotonin syndrome is suspected. (7)
- **Mixed Agonist/Antagonist and Partial Agonist Opioid Analgesics:** Avoid use with MITIGO because they may reduce the analgesic effect of MITIGO or precipitate withdrawal symptoms. (7)
- **Hepatic and Renal Impairment:** May affect the metabolism and excretion of MITIGO. (8.6)

### USE IN SPECIFIC POPULATIONS

- **Pregnancy:** May cause fetal harm. (8.1)
- **Hepatic and Renal Impairment:** May affect the metabolism and excretion of MITIGO. (8.6)

### 17 PATIENT COUNSELING INFORMATION.

Revised: 04/2021

- Risks of Use in Patients with Gastrointestinal Conditions
- Increased Risks of Seizures in Patients with Seizure Disorders
- Withdrawal
- Risk of Driving and Operating Machinery
- Risks of Use in Patients with Urinary System Disorders
- Risks of Use in Ambulatory Patients
- ADVERSE REACTIONS
- DRUG INTERACTIONS
- USE IN SPECIFIC POPULATIONS
  - Pregnancy
  - Lactation
  - Females and Males of Reproductive Potential
  - Pediatric Use
  - Geriatric Use
  - Hepatic or Renal Impairment
- DRUG ABUSE AND DEPENDENCE
  - Controlled Substance
  - Abuse
  - Dependence
- OVERDOSAGE
- DESCRIPTION
  - Mechanism of Action
  - Pharmacodynamics
  - Pharmacokinetics
- NONCLINICAL TOXICOLOGY
  - Carcinogenesis, Mutagenesis, Impairment of Fertility
- HOW SUPPLIED AND HANDLING
- PATIENT COUNSELING INFORMATION
  - Sections or subsections omitted from the full prescribing information are not listed.

- MITIGO 200 mg/20 mL and 500 mg/20 mL (10 and 25 mg/mL, respectively) should not be used for single-dose neuraxial injection because lower doses can be more reliably administered with the standard preparation of morphine sulfate injection, USP (0.5 and 1 mg/mL).
- Candidates for neuraxial administration of MITIGO in a continuous microinfusion device should be hospitalized to provide for adequate patient monitoring during assessment of response to single doses of intrathecal or epidural morphine. Hospitalization should be maintained for several days after surgery involving the infusion device for additional monitoring and adjustment of daily dosage. The facility must be equipped with resuscitative equipment, oxygen, naloxone injection and other resuscitative drugs.
- A period of observation appropriate to the clinical situation should follow each refill or manipulation of the drug reservoir. Before discharge, the patient and attendant(s) should receive instruction in the proper home care of the device and insertion site and in the recognition and practical treatment of an overdose of neuraxial morphine.
- Familiarization with the continuous microinfusion device is essential. The desired amount of morphine should be withdrawn from the vial through a microfilter. To minimize risk from glass or other particles, the product must be filtered through a 5 µ (or smaller) microfilter before injecting into the microinfusion device. If dilution is required, 0.9% Sodium Chloride Injection is recommended.
- Reservoir filling must be performed by fully trained and qualified personnel, following the directions provided by the device manufacturer. Care should be taken in selecting the proper refill frequency to prevent depletion of the reservoir, which would result in exacerbation of severe pain, onset of opioid withdrawal symptoms, and/or reflux of cerebrospinal fluid into some devices. Strict aseptic technique is required to avoid bacterial contamination and serious infection. Extreme care must be taken to ensure that the needle is properly inserted into the filling port of the device before attempting to refill the reservoir. Injecting the solution into the tissue around the device or (in the case of devices that have more than one port) attempting to inject the refill dose into the direct injection port will result in a large, clinically significant, overdose to the patient.
- **Safety and Handling Instructions:** MITIGO is supplied in sealed vials. Accidental dermal exposure should be treated by the removal of any contaminated clothing and rinsing the affected area with water.
- Inspect parenteral drug products for particulate matter before opening the amber vials and again for color after removing contents from the vial. Do not use if the solution in the unopened vial contains a precipitate which does not disappear upon shaking. After removal, do not use unless the solution is colorless or pale yellow. MITIGO is intended for single-dose only. Protect from light, discard any unused portion. Do not heat-sterilize.

#### 2.2 Initial Dosage

The starting dose of MITIGO must be individualized, based upon in-hospital evaluation of the response to serial single-dose epidural or intrathecal bolus injections of regular morphine sulfate injection 0.5 mg/mL or 1 mg/mL, with close observation for analgesic efficacy and adverse effects prior to surgery involving the continuous microinfusion device.

- Use the lowest effective dosage for the shortest duration consistent with individual patient treatment goals [see Warnings and Precautions (5.3)].
- Initiate the dosing regimen for each patient individually, taking into account the patient's severity of pain, patient response, prior analgesic treatment experience, and risk factors for addiction, abuse, and misuse [see Warnings and Precautions (5.3)].
- Monitor patients closely for respiratory depression, especially within the first 24-72 hours of initiating therapy and following dosage increases with MITIGO and adjust the dosage accordingly [see Warnings and Precautions (5.2)].

#### 2.3 Dosage for Epidural Administration

The recommended initial epidural dose in patients who are not tolerant to opioids ranges from 3.5 to 7.5 mg/day. The usual starting dose for continuous epidural infusion, based upon limited data in patients who have some degree of opioid tolerance, is 4.5 to 10 mg/day. The dose requirements may increase significantly during treatment, frequently to 20-30 mg/day. The upper daily limit for each patient must be individualized.

#### 2.4 Dosage for Intrathecal Administration

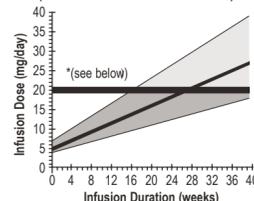
The recommended initial lumbar intrathecal dose range in patients with no tolerance to opioids is 0.2 to 1 mg/day. The published range of doses for individuals who have some degree of opioid tolerance varies from 1 to 10 mg/day. The upper daily dosage limit for each patient must be individualized.

- Intrathecal dosage is usually 1/10 that of epidural dosage.

### 2.5 Titration and Maintenance of Therapy

Individually titrate MITIGO to a dose that provides adequate analgesia and minimizes adverse reactions. Continually reevaluate patients receiving MITIGO 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 [see Warnings and Precautions (5.3)]. 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. If the level of pain increases after dosage stabilization, attempt to identify the source of the increased pain before increasing the MITIGO dosage. Limited experience with continuous intrathecal infusion of morphine has shown that the daily doses have to be increased over time. Although the rate of increase, over time, in the dose required to sustain analgesia is highly variable, an estimate of the expected rate of increase is shown in the following Figure.

Figure: Dose Trend in Continuous Infusions of Intrathecal Morphine (Mean and 95% Confidence Intervals)



\*20 mg/day is the lowest dose for which regional myoclonus has been reported. The rate of occurrence cannot be estimated.

Doses above 20 mg/day should be employed with caution since they may be associated with a higher likelihood of serious side effects [see Warnings and Precautions (5.2, 5.7) and Adverse Reactions (6)]. If unacceptable opioid-related adverse reactions are observed, consider reducing the dosage. Adjust the dosage to obtain an appropriate balance between management of pain and opioid-related adverse reactions.

### 2.6 Discontinuation of MITIGO

When a patient who has been taking MITIGO regularly may be physically dependent no longer requires therapy with MITIGO, taper the dose gradually while monitoring carefully for signs and symptoms of withdrawal. If the patient develops these signs or symptoms, raise the dose to the previous level and taper more slowly, either by increasing the interval between decreases, decreasing the amount of change in dose, or both. Do not stop MITIGO abruptly in a physically-dependent patient [see Warnings and Precautions (5.15), Drug Abuse and Dependence (9.3)].

### 3 DOSEAGE FORMS AND STRENGTHS

Injection: 200 mg per 20 mL (10 mg/mL) Preservative-free amber glass single-dose vials  
Injection: 500 mg per 20 mL (25 mg/mL) Preservative-free amber glass single-dose vials

### 4 CONTRAINDICATIONS

- MITIGO is contraindicated in patients with:
  - Significant respiratory depression [see Warnings and Precautions (5.2)]
  - Acute or severe bronchial asthma in an unmonitored setting or in the absence of resuscitative equipment [see Warnings and Precautions (5.8)]
  - Concurrent use of monoamine oxidase inhibitors (MAOIs) or use of MAOIs within the last 14 days [see Warnings and Precautions (5.9)Drug Interactions (7)]
  - Known or suspected gastrointestinal obstruction, including paralytic ileus [see Warnings and Precautions (5.13)]
  - Hypersensitivity to morphine (e.g., anaphylaxis) [see Adverse Reactions (6)]
- Neuraxial administration of MITIGO is contraindicated in patients with:
  - Infection at the injection microinfusion site [see Warnings and Precautions (5.1)]
  - Concomitant anticoagulant therapy [see Warnings and Precautions (5.1)]
  - Uncontrolled bleeding diathesis [see Warnings and Precautions (5.1)]

The presence of any other concomitant therapy or medical condition which would render epidural or intrathecal administration of medication especially hazardous.

### 5 WARNINGS AND PRECAUTIONS

#### 5.1 Risks with Neuraxial Administration

Control of pain by neuraxial opiate delivery, using a continuous microinfusion device, is always accompanied by considerable risk to the patients and requires a high level of skill to be successfully accomplished. The task of treating these patients must be undertaken by experienced clinical teams, well-versed in patient selection, evolving technology and emerging standards of care.

MITIGO should be administered by or under the direction of a physician experienced in the techniques of epidural or intrathecal administration and familiar with the patient management problems associated with epidural or intrathecal drug administration. The physician should be familiar with patient conditions (such as infection at the injection site, bleeding diathesis, anticoagulant therapy, etc.) which call for special evaluation of the benefit versus risk potential.

Because of the risk of severe adverse effects when the epidural or intrathecal route of administration is employed, patients must be observed in a fully equipped and staffed environment for at least 24 hours after the initial dose.

The facility must be equipped to resuscitate patients with severe opioid overdose, and the personnel must be familiar with the use and limitations of specific narcotic antagonists (naloxone, naltrexone) in such cases.

For safety reasons, it is recommended that administration of MITIGO 200 mg/20 mL and 500 mg/20 mL (10 and 25 mg/mL, respectively) by the intrathecal route be limited to the lumbar area.

#### 5.2 Life-Threatening Respiratory Depression

Serious, life-threatening, or fatal; respiratory depression has been reported with the use of opioids, even when used as recommended. Respiratory depression, if not immediately recognized and treated, may lead to respiratory arrest and death. Management of respiratory depression may include dose 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 MITIGO, the risk is greatest during the initiation of therapy or following a dosage increase. This respiratory depression and/or respiratory arrest may be severe and could require intervention.

- Because of the risk of severe adverse effects, patients must be observed in a fully equipped and staffed environment for at least 24 hours after the initial (single) test dose and, as appropriate, for the first several days after catheter implantation. The facility must be equipped to resuscitate patients with severe opioid overdose, and the personnel must be familiar with the use and limitations of specific narcotic antagonists (naloxone, naltrexone) in such cases.
- Severe respiratory depression up to 24 hours following epidural or intrathecal administration has been reported.
- Intrathecal use has been associated with a higher incidence of respiratory depression than epidural use.
- Parenteral administration of narcotics in patients receiving epidural or intrathecal morphine may result in overdose.

To reduce the risk of respiratory depression, proper dosing and titration of MITIGO are essential [see Dosage and Administration (2)]. Overestimating the MITIGO dosage when converting patients from another opioid product can result in a fatal overdose with the first dose.

IMPROPER OR ERRONEOUS SUBSTITUTION OF MITIGO 200 mg/20 mL and 500 mg/20 mL (10 and 25 mg/mL, respectively) FOR REGULAR MORPHINE SULFATE INJECTION (0.5 or 1 mg/mL) IS LIKELY TO RESULT IN SERIOUS OVERDOSAGE, LEADING TO SEIZURES, RESPIRATORY DEPRESSION, AND DEATH.

Opioids can cause sleep-related breathing disorders including central sleep apnea (CSA) and sleep-related hypoxemia. Opioid use increases the risk of CSA in a dose-dependent fashion. In patients who present with CSA, consider decreasing the opioid dosage using best practices for opioid taper [see Dosage and Administration (2.6)].

#### 5.3 Addiction, Abuse, and Misuse

MITIGO contains morphine, a Schedule II controlled substance. As an opioid, MITIGO exposes users to the risks of addiction, abuse, and misuse [see Drug Abuse and Dependence (9)].

Although the risk of addiction in any individual is unknown, it can occur in patients appropriately prescribed MITIGO. Addiction can occur at recommended dosages and if the drug is misused or abused.

Assess each patient's risk for opioid addiction, abuse, or misuse prior to prescribing MITIGO, and monitor all patients receiving MITIGO for the development of these behaviors and conditions. Risks are increased in patients with a personal or family history of substance abuse (including drug or alcohol abuse or addiction) or mental illness (e.g., major depression). The potential for these risks should not, however, prevent the proper management of pain in any given patient.

Patients at increased risk may be prescribed opioids such as MITIGO, but use in such patients necessitates intensive counseling about the risks and proper use of MITIGO along with intensive monitoring for signs of addiction, abuse, and misuse.

Opioids are sought by drug users and people with addiction disorders and are subject to criminal diversion. Consider these risks when prescribing or dispensing MITIGO. Strategies to reduce these risks include prescribing the drug in the smallest appropriate quantity. 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.

Each vial of MITIGO contains a large amount of a potent narcotic which has been associated with abuse and dependence among health care providers. Due to the limited indications for this product, the risk of overdose and the risk of its diversion and abuse, it is recommended that special measures must be taken to control this product within the hospital or clinic. MITIGO should be subject to rigid accounting, rigorous control of wastage, and restricted access.

#### 5.4 Neonatal Opioid Withdrawal Syndrome

Prolonged use of MITIGO 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 (8.1), 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 concomitant use of MITIGO 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 concomitant prescribing of these drugs for use in patients for whom alternative treatment options are inadequate.

Use of neuroleptics in conjunction with neuraxial morphine may increase the risk of respiratory depression.

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 the 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. If an opioid analgesic is initiated

