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Watch future AANA Journals for session and registration information.
VERSED® (midazolam HCl) ©

INJECTION

Before prescribing, please consult complete product information, a summary of which follows:

Intravenous VERSED has been associated with respiratory depression and respiratory arrest, especially when used for conscious sedation. In some cases, where this was not recognized, it led to serious adverse results. Intravenous VERSED should only be used in hospital or ambulatory care settings, including physicians' offices, that provide for continuous monitoring of respiratory and cardiac function. Immediate availability of resuscitative drugs and personnel trained in their use should be assured. (See WARNINGS.)

The initial intravenous dose for conscious sedation may be as little as 1 mg, but should not exceed 2.5 mg in a normal healthy adult. Lower doses are necessary for older (over 60 years) or debilitated patients and in patients receiving concomitant narcotics or other CNS depressants. The use of all subsequent doses should never be given as a bolus; administer over at least 2 minutes and allow an additional 2 or more minutes to fully evaluate the sedation. A maximum of 20 mg of the 1 mg/mL formulation is recommended to facilitate slower injection. Consult complete product information under DOSAGE AND ADMINISTRATION for complete dosing information.

CONTRAINDICATIONS: Patients with known hypersensitivity to the drug. Benzodiazepines are contraindicated in patients with acute narrow angle glaucoma; may be used in open angle glaucoma only if patients are receiving appropriate therapy.

Not intended for intrathecal or epidural administration due to the presence of the preservative benzyl alcohol.

WARNINGS: Never use without individualization of dosage. Prior to IV use in any dose, ensure immediate availability of oxygen, resuscitative equipment and skilled personnel to maintain airway and support of ventilation. Continuous monitor for early signs of underventilation or apnea, which can lead to hypoaxia/cardiopacardiac arrest unless effective countermeasures are taken immediately. Vital signs should continue to be monitored during therapy. Respiratory depression and apnea and other sedatives can add to this depression. It should be administered as an induction agent only by a person trained in general anesthesia and should be used for conscious sedation only in the presence of personnel skilled in early detection of underventilation, maintaining a patent airway and supporting ventilation. For conscious sedation, do not administer IV by rapid or single bolus IV injection. Cardiovascular adverse events have occurred including respiratory depression, apnea, respiratory arrest and/or cardiac arrest, sometimes resulting in death. There have been rare reports of hypotensive episodes requiring treatment during or after diagnostic or surgical manipulations in patients who have received VERSED. Hypotension (especially bradycardia) and tachycardia occurs more frequently in the conscious sedation studies in patients premedicated with narco-

Reactions such as agitation, involuntary movements, hyperactivity and combativeness have been reported. These may be due to inadequate or excessive dosing or improper administration, hence, the possibility of these reactions should be considered. Should these reactions occur, ensure to dose of all patients and other drugs should be administered as previously described.

Concomitant use of barbiturates, alcohol or other CNS depressants may increase the risk of serious respiratory depression, apnea and may contribute to profound and/or prolonged drug effect. Narcotic administration also depresses the respiratory response to carbon dioxide stimulation. Higher risk surgical, elderly or debilitated patients require lower dosages for induction of anesthesia or sedation. Severe physical and/or mental depression may be characteristically sensitive to the respiratory depressant effect of VERSED. Patients with chronic renal failure and patients with congestive heart failure eliminate midazolam more slowly. Because elderly patients and those with impaired renal or hepatic function, or organ systems, and dosage requirements have been shown to decrease with age, reduce initial dosage and consider possibility of a profound and/or prolonged effect.

Do not administer in stock, coma, acute alcohol intoxication with depression of vital signs.

Particular care should be exercised in IV use in elderly and/or high-risk surgical patients has been associated with rare hypotensive and hypertensive episodes requiring therapy.

Usage in Pregnancy: There have been rare reports of hypotensive episodes requiring treatment during or after diagnostic or surgical manipulations in patients who have received VERSED. Hypotension (especially bradycardia) and tachycardia occurs more frequently in the conscious sedation studies in patients premedicated with narco-

Manifestations would resemble those seen in normal adults. (See WARNINGS.)


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Co-induction of anesthesia

- Synergistic interaction with barbiturates, opioids and propofol often allows significant dose reductions\(^1\,^2\,^3\,^4\)
- Provides a calm, amnestic beginning\(^6\)
- And a stable course to unconsciousness\(^4\,^5\)

Important safety information and dosing considerations for induction

When VERSED (midazolam HCl) is used before other intravenous agents for induction of anesthesia, the initial dose of each agent may be significantly reduced, at times to as low as 25% of the usual initial dose of the individual agents.

As a standard precaution, for I.V. administration of VERSED, oxygen and resuscitative equipment should be immediately available. VERSED should be used as an anesthetic induction agent only by persons who are trained in anesthesiology and familiar with all dosing and administration guidelines. Reduce dosage in elderly or debilitated patients, in patients receiving narcotic premedication, and in those with limited pulmonary reserve.

Patients should not drive or operate hazardous machinery after receiving VERSED until the effects of the drug (e.g., drowsiness) are gone or until the day after administration, whichever is longer. The decision must be individualized.

VERSED

midazolam HCl

INJECTION

VERSED is available in 1 mg/mL and 5 mg/mL strengths.