Pain Management Update

SUPERIOR EMS 27-Sep-18

What is pain?

An unpleasant sensation that can range from mild, localized discomfort to agony. Pain has both physical and emotional components. The physical part of pain results from nerve stimulation. Pain may be contained to a discrete area, as in an injury, or it can be more diffuse, as in disorders like fibromyalgia. Pain is mediated by specific nerve fibers that carry the pain impulses to the brain where their conscious appreciation may be modified by many factors.

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Measuring Pain Verbal Numerical Rating Scale > This scale asks the patient to rate their pain from "no pain" (0) to "worst pain possible" (10) and is suitable for use in adults and children over six years of age who have an understanding of the concepts of rank and order. Avoid using numbers on this scale to prevent the patient receiving cues. Some patients are unable to use this scale with only verbal instructions but may be able to look at a number scale and point to the number that describes the intensity of their pain. Wong - Baker FACES Pain Rating Scale > This scale can be used with young children aged three years and older and may also be useful for adults and those from a non-English speaking background. Point to each face using the words provided to describe the pain intensity. Ask the child to choose face that best describes his/her own pain and record the appropriate number. Wong-Baker FACES™ Pain Rating Scale 00 00 00 00 n 2 4 6 8 10 Hurts Little Hurts Even Mor Hurts No Hurts Little Bi Hurts Whole Lot

















Contraindications/Precautions

- A contraindication is a reason not to use a course of treatment or a medication. Contraindications for administering methoxyflurane to a patient include:
 - > The patient cannot understand or comply with the instructions for use.
 - The patient has a history of kidney disease (renal impairment or renal failure), as methoxyflurane may cause kidney damage.
 - > There is a decreased level of consciousness Head injury or drug/alcohol induced
 - > The patient has a known allergy to methoxyflurane.
 - There has been a severe allergic reaction to general anaesthetics in the patient or the patients family.
 - > Patients who have received methoxyflurane at any time in the past week.
 - > Patients with inadequate respiratory effort or rate.



A complication of methoxyflurane treatment is loss of consciousness, the danger of which is multiplied in patients who already have a depressed level of consciousness. The patient's level of consciousness can be assessed using the AVPU Scale. The scale outlines four general levels of consciousness from Alert to Unconscious.

Alert Voice: Responds to voice Pain: Responds purposefully Unconscious

Administration

- Methoxyflurane is self-administered by the casualty through an inhaler, which is disposable and for single use only.
- Methoxyflurane is self-administered for two reasons. The first reason is that self-administration ensures that if the patient loses consciousness the inhaler will fall away from the face and the patient will inhale room air. Once the patient stops inhaling they will quickly regain consciousness.
- The second reason is that as the patient is the best judge of their own pain, self-administration allows the patient to control their pain. The patient should be encouraged only to inhale methoxyflurane to achieve a more bearable level of pain.
- Patients with facial injuries may find the mouthpiece uncomfortable. In this situation the inhaler can be connected to a standard resuscitation mask. Patients with facial or jaw injuries may not be able to tolerate either mask or mouthpiece. Always be sure you are not worsening an injury in your attempt to treat the patient's pain.

Procedure

- 1. Reassure the patient.
- 2. Confirm indications for use (patient is in pain).
- 3. 3Ascertain that there are no contraindications to methoxyflurane use.
- 4. Obtain methoxyflurane and check the expiry date and that the seal has not been tampered with.
- 5. Explain the procedure to the patient
 - a) This is methoxyflurane, which will help relieve your pain
 - b) You must put the inhaler in your mouth while you breathe in
 - c) The gas will only be inhaled when you breathe in
 - d) Continue inhaling until the pain starts to dull. Aim for relief of discomfort rather than complete elimination of pain
 - e) If you feel any side effects, remove the inhaler. The unpleasant effects will wear off, but your pain will also worsen.
- 6. Ensure that the patient understands the instructions for use.











