

Jeremy M Miller, DDS

Sedation Dentistry

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Types of dental sedatives:

Nitrous Oxide

Nitrous oxide, or "laughing gas," is used as a mild sedative. It is delivered through a nose hood, and is administered throughout the entire procedure. Nitrous oxide elevates the general mood and can evoke a general sense of well-being. Most importantly, it relieves anxiety and reduces pain during the procedure. In addition, some tingling and numbness may be felt. There are few side effects associated with nitrous oxide, and it has been safely used in dentistry for many years.

Oral Conscious Sedation

Oral conscious sedation is an excellent choice for people who fear needles. Oral medication is provided prior to treatment in order to induce a mild to moderate state of sedation then nitrous oxide is utilized during the procedure. Though oral sedatives do not cause sleep, they usually dull the senses. This means that many patients cannot remember the pain, smells or noises associated with the procedure. The most popular oral sedative used is Halcion (Triazolam).

IV Conscious Sedation

Intravenous Conscious sedation is a moderate type of sedation. Patients who have previously experienced IV sedation often report feeling like they slept through the entire procedure. Generally, IV sedation is used for patients who want/need a deeper level of sedation or for those patients who do not respond to the oral sedatives. It is administered by starting an IV and then administering medications via direct injection into the bloodstream, which means the effects, are immediate. Sometimes patients feel groggy and sleepy when the IV sedatives are withdrawn. This is why it is important to bring a designated driver for the drive home.

What types of drugs are used in sedation?

Most of the drugs used in sedation dentistry are classified as benzodiazepines or opiates. Benzodiazepines have long been used to reduce anxiety, muscle spasms, insomnia and seizures. Each medication has a different half-life, meaning that the effects last for varying amounts of time. These types of medications also cause an amnesia effect so patients may not remember the treatment that was provided. The most common benzodiazepines used are Valium and Versed. The opiates typically used for sedations are Fentanyl or Morphine. Opiates provide a sedative effect as well as pain control. The estimated length of the procedure determines which type of drug is going to be most effective and how much medication is given. The most common medications used by Dr. Miller are Fentanyl and Versed for IV conscious sedation and Halcion for oral sedation.

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Consent for Anesthesia

Patients Name: _____

This is my consent for Dr. Jeremy Miller to perform the oral dental procedures on my examination chart, as previously explained to me, and any other procedure deemed necessary or advisable as a corollary to the planned operation.

I also agree to the use of a ____ local sedation ____ Oral sedation ____ conscious IV or ____ general anesthetic sedation and analgesia depending upon the judgment of the dentists/physicians involved with my care.

I have been informed that occasionally there are complications of the treatment, drugs and anesthesia including: Pain, infection, swelling, bleeding, discomfort, numbness, tingling of the lip, tongue, chin, gums, cheeks, teeth pain, numbness, tingling and thrombophlebitis (inflammation of the vein), from intravenous injection, injury to and stiffening of the neck and facial muscles, referred pain to the ear, neck and head, nausea, vomiting, allergic reaction, bone fractures, bruises or delayed healing.

Medications, drugs, anesthetics and prescriptions may cause drowsiness and lack or awareness and coordination which can be increases by the use of alcohol or other drugs: thus I have been advised not to operate and vehicle or hazardous devices, or work while taking such medications and/ or other drugs, or until fully recovered from the effect of the same. I understand and agree not to operate and vehicles or hazardous device for at least 24 hours or until fully recovered from the effects of such medications, drugs or anesthetics.

I acknowledge the receipt of pre-operative instructions and understand that I should have nothing to eat or drink at least 8 hours prior to receiving anesthetics. In addition, I acknowledge the receipt of and understand post operative instructions and have been giving a specific appointment date to return to the office.

I acknowledge that my health history has revealed the following conditions:

- 1. _____
- 2. _____
- 3. _____
- 4. _____

Because of these conditions, it has been thoroughly explained to me and I completely realize that any surgical procedure may, therefore, be classified as a risk procedure. The risk involved is defined is a greater possibility of experiencing morbidity (the relative incidence or disease) and mortality (the proportion of death to population), during the surgical procedure, than a person in good health. Theses complications which occur during surgery may involve more than the average amount of post-operative discomfort, increased pain and swelling and delayed healing. I fully acknowledge that these possible complications have been explained. With clear knowledge of all of these possible complications,

I may request further explanation of the risks involved and possible outcome of the procedure. When the patient is a minor or incompetent to give consent, signature should be of a person authorized to consent for the patient.

Signature or Patient or Guardian _____ Date _____

Signature of Escort _____ Emergency #: _____ Date _____

Signature of Doctor _____ Date _____

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Post Operative Instructions for Sedation

1. Sedation anesthetic medication will stay in the persons system for up to 24 hours. Therefore, patients need to have hands on care for 6-8 hours after sedation appointment.
 - No driving or operation heavy machinery for 24 hours
 - The patient may be disoriented and stagger while walking, so someone must assist them while walking.
 - Patient will think they are fine and appear to be fine, but can be unstable.
 - Patients will probably sleep more when they get home. To assist in adequate breathing, keep their head elevated and do not allow them to sleep with chin dropped
 - Towards chest.
2. Patients are at risk for dehydration after sedation. To prevent this, encourage sips of clear liquids once patient is alert. Examples of clear liquids are water, apple juice, and flavored waters. The patient will get some fluids through the IV during the appointment.
 - Once clear liquids are tolerated for 2 hours, than soft bland diet can be taken. Crackers, toast, bananas, and applesauce are good examples.
 - Continue the soft bland diet until the next day.
 - Avoid dairy products and heavy greasy foods the day of the sedation. These will increase the risk of nausea and vomiting.
3. Patients will have bandages where the IV was placed; Remove this bandage 30 minutes after leaving the office. Bruising around the IV site is normal and will go away in a couple of days.
4. Please feel free to call Dr. Miller **(614)580-8960** with any questions or concerns.

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Pre Operative Instructions for Sedation

Patients Name: _____

Please Read And Follow These Instructions Carefully:

- **Do not eat or drink ANYTHING within 8 hours of the scheduled appointment. You may have clear liquids until within 2 hours of the scheduled appointment.**
- In order to ensure your safety, all patients undergoing sedation or general anesthesia **must be accompanied to the office by a responsible adult who can drive them home.** The escort must be present before surgery is started, and must remain in the office so he/she will be available to assist you home when you are ready to leave the office.
- If you think you may have a chance of being pregnant, take a pregnancy test within 24 hours of surgery. General anesthesia is teratogenic, which means it can cause severe birth defects and put you and your child at risk. Sedation cannot and will not take place.
- Have an ice bag to use if necessary when you get home.
- Bring any special prescribed medications (including inhalers or angina medications) with you to your appointment. Take pre-medication one hour prior to appointment if indicated.
- Do not wear makeup, jewelry or have colored nail polish to the appointment.
- Please wear loose fitting clothing with short sleeves for easy placement of the blood pressure cuff and ECG monitors.
- If you wear contact lenses, please remove them before coming into the office.
- Patients who have been sedated or put to sleep may not drive or operate machinery for 24 hours; patients should also refrain from making important decisions during that time.

If for any reason you cannot keep your appointment, please call *at least 48 hours* before appointment.

Please feel free to call Dr. Miller on his cell phone **(614)580-8960** with any questions or concerns.

Patients Signature: _____ Date _____

Escorts Signature: _____ Emergency # _____ Date _____

Doctor's Signature: _____ Date _____