

Commonwealth of Virginia



**REGULATIONS
GOVERNING THE PRACTICE OF DENTISTRY**

VIRGINIA BOARD OF DENTISTRY

Title of Regulations: 18 VAC 60-21-10 et seq.

**Statutory Authority: § 54.1-2400 and Chapter 27
of Title 54.1 of the *Code of Virginia***

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Part VI. Controlled Substances, Sedation, and Anesthesia.

18VAC60-21-260. General provisions.

A. Application of Part VI. This part applies to prescribing, dispensing, and administering controlled substances in dental offices, mobile dental facilities, and portable dental operations and shall not apply to administration by a dentist practicing in (i) a licensed hospital as defined in § 32.1-123 of the Code, (ii) a state-operated hospital, or (iii) a facility directly maintained or operated by the federal government.

B. Registration required. Any dentist who prescribes, administers, or dispenses Schedules II through V controlled drugs must hold a current registration with the federal Drug Enforcement Administration.

C. Patient evaluation required.

1. The decision to administer controlled drugs for dental treatment must be based on a documented evaluation of the health history and current medical condition of the patient in accordance with the Class I through V risk category classifications of the American Society of Anesthesiologists (ASA) in effect at the time of treatment. The findings of the evaluation, the ASA risk assessment class assigned, and any special considerations must be recorded in the patient's record.

2. Any level of sedation and general anesthesia may be provided for a patient who is ASA Class I and Class II.

3. A patient in ASA Class III shall only be provided minimal sedation, conscious/moderate sedation, deep sedation, or general anesthesia by:

a. A dentist after he has documented a consultation with the patient's primary care physician or other medical specialist regarding potential risks and special monitoring requirements that may be necessary;

b. An oral and maxillofacial surgeon who has performed a physical evaluation and documented the findings and the ASA risk assessment category of the patient and any special monitoring requirements that may be necessary; or

c. A person licensed under Chapter 29 (§ 54.1-2900 et seq.) of Title 54.1 of the Code who has a specialty in anesthesia.

4. Minimal sedation may only be provided for a patient who is in ASA Class IV by:

a. A dentist after he has documented a consultation with the patient's primary care physician or other medical specialist regarding potential risks and special monitoring requirements that may be necessary; or

b. An oral and maxillofacial surgeon who has performed a physical evaluation and documented the findings and the ASA risk assessment category of the patient and any special monitoring requirements that may be necessary.

5. Conscious/moderate sedation, deep sedation, or general anesthesia shall not be provided in a dental office for patients in ASA Class IV and Class V.

D. Additional requirements for patient information and records. In addition to the record requirements in 18VAC60-21-90, when conscious/moderate sedation, deep sedation, or general anesthesia is administered, the patient record shall also include:

1. Notation of the patient's American Society of Anesthesiologists classification;

2. Review of medical history and current conditions, including the patient's weight and height or, if appropriate, the body mass index;

3. Written informed consent for administration of sedation and anesthesia and for the dental procedure to be performed;
4. Preoperative vital signs;
5. A record of the name, dose, and strength of drugs and route of administration including the administration of local anesthetics with notations of the time sedation and anesthesia were administered;
6. Monitoring records of all required vital signs and physiological measures recorded every five minutes; and
7. A list of staff participating in the administration, treatment, and monitoring including name, position, and assigned duties.

E. Pediatric patients. No sedating medication shall be prescribed for or administered to a patient 12 years of age or younger prior to his arrival at the dentist office or treatment facility.

F. Informed written consent. Prior to administration of any level of sedation or general anesthesia, the dentist shall discuss the nature and objectives of the planned level of sedation or general anesthesia along with the risks, benefits, and alternatives and shall obtain informed, written consent from the patient or other responsible party for the administration and for the treatment to be provided. The written consent must be maintained in the patient record.

G. Level of sedation. The determinant for the application of the rules for any level of sedation or for general anesthesia shall be the degree of sedation or consciousness level of a patient that should reasonably be expected to result from the type, strength, and dosage of medication, the method of administration, and the individual characteristics of the patient as documented in the patient's record. The drugs and techniques used must carry a margin of safety wide enough to render the unintended reduction of or loss of consciousness unlikely, factoring in titration and the patient's age, weight, and ability to metabolize drugs.

H. Emergency management.

1. If a patient enters a deeper level of sedation than the dentist is qualified and prepared to provide, the dentist shall stop the dental procedure until the patient returns to and is stable at the intended level of sedation.
2. A dentist in whose office sedation or anesthesia is administered shall have written basic emergency procedures established and staff trained to carry out such procedures.

I. Ancillary personnel. Dentists who employ unlicensed, ancillary personnel to assist in the administration and monitoring of any form of minimal sedation, conscious/moderate sedation, deep sedation, or general anesthesia shall maintain documentation that such personnel have:

1. Training and hold current certification in basic resuscitation techniques with hands-on airway training for health care providers, such as Basic Cardiac Life Support for Health Professionals or a clinically oriented course devoted primarily to responding to clinical emergencies offered by an approved provider of continuing education as set forth in 18VAC60-21-250 C; or
2. Current certification as a certified anesthesia assistant (CAA) by the American Association of Oral and Maxillofacial Surgeons or the American Dental Society of Anesthesiology (ADSA).

J. Assisting in administration. A dentist, consistent with the planned level of administration (i.e., local anesthesia, minimal sedation, conscious/moderate sedation, deep sedation, or general anesthesia) and appropriate to his education, training, and experience, may utilize the services of a dentist, anesthesiologist, certified registered nurse anesthetist, dental hygienist, dental assistant, or nurse to perform functions appropriate to such practitioner's education, training, and experience and consistent with that practitioner's respective scope of practice.

K. Patient monitoring.

1. A dentist may delegate monitoring of a patient to a dental hygienist, dental assistant, or nurse who is under his direction or to another dentist, anesthesiologist, or certified registered nurse anesthetist. The person assigned to monitor the patient shall be continuously in the presence of the patient in the office, operatory, and recovery area (i) before administration is initiated or immediately upon arrival if the patient self-administered a sedative agent, (ii) throughout the administration of drugs, (iii) throughout the treatment of the patient, and (iv) throughout recovery until the patient is discharged by the dentist.

2. The person monitoring the patient shall:

- a. Have the patient's entire body in sight;
- b. Be in close proximity so as to speak with the patient;
- c. Converse with the patient to assess the patient's ability to respond in order to determine the patient's level of sedation;
- d. Closely observe the patient for coloring, breathing, level of physical activity, facial expressions, eye movement, and bodily gestures in order to immediately recognize and bring any changes in the patient's condition to the attention of the treating dentist; and
- e. Read, report, and record the patient's vital signs and physiological measures.

L. A dentist who allows the administration of general anesthesia, deep sedation, or conscious/moderate sedation in his dental office is responsible for assuring that:

1. The equipment for administration and monitoring, as required in subsection B of 18VAC60-21-291 or subsection C of 18VAC60-21-301, is readily available and in good working order prior to performing dental treatment with anesthesia or sedation. The equipment shall either be maintained by the dentist in his office or provided by the anesthesia or sedation provider; and
2. The person administering the anesthesia or sedation is appropriately licensed and the staff monitoring the patient is qualified.

18VAC60-21-270. Administration of local anesthesia.

A dentist may administer or use the services of the following personnel to administer local anesthesia:

1. A dentist;
2. An anesthesiologist;
3. A certified registered nurse anesthetist under his medical direction and indirect supervision;
4. A dental hygienist with the training required by 18VAC60-25-100 C to parenterally administer Schedule VI local anesthesia to persons 18 years of age or older under his indirect supervision;
5. A dental hygienist to administer Schedule VI topical oral anesthetics under indirect supervision or under his order for such treatment under general supervision; or
6. A dental assistant or a registered or licensed practical nurse to administer Schedule VI topical oral anesthetics under indirect supervision.

18VAC60-21-279. Administration of only inhalation analgesia (nitrous oxide).

A. Education and training requirements. A dentist who utilizes nitrous oxide shall have training in and knowledge of:

1. The appropriate use and physiological effects of nitrous oxide, the potential complications of administration, the indicators for complications, and the interventions to address the complications.

2. The use and maintenance of the equipment required in subsection D of this section.

B. No sedating medication shall be prescribed for or administered to a patient 12 years of age or younger prior to his arrival at the dental office or treatment facility.

C. Delegation of administration.

1. A qualified dentist may administer or use the services of the following personnel to administer nitrous oxide:

a. A dentist;

b. An anesthesiologist;

c. A certified registered nurse anesthetist under his medical direction and indirect supervision;

d. A dental hygienist with the training required by 18VAC60-25-100 B and under indirect supervision; or

e. A registered nurse upon his direct instruction and under immediate supervision.

2. Preceding the administration of nitrous oxide, a dentist may use the services of the following personnel working under indirect supervision to administer local anesthesia to numb an injection or treatment site:

a. A dental hygienist with the training required by 18VAC60-25-100 C to parenterally administer Schedule VI local anesthesia to persons 18 years of age or older; or

b. A dental hygienist, dental assistant, registered nurse, or licensed practical nurse to administer Schedule VI topical oral anesthetics.

D. Equipment requirements. A dentist who utilizes nitrous oxide only or who directs the administration by another licensed health professional as permitted in subsection C of this section shall maintain the following equipment in working order and immediately available to the areas where patients will be sedated and treated and will recover:

1. Blood pressure monitoring equipment;

2. Source of delivery of oxygen under controlled positive pressure;

3. Mechanical (hand) respiratory bag; and

4. Suction apparatus.

E. Required staffing. When only nitrous oxide/oxygen is administered, a second person in the operatory is not required. Either the dentist or qualified dental hygienist under the indirect supervision of a dentist may administer the nitrous oxide/oxygen and treat and monitor the patient.

F. Monitoring requirements.

1. Baseline vital signs, to include blood pressure and heart rate, shall be taken and recorded prior to administration of nitrous oxide analgesia and prior to discharge, unless extenuating circumstances exist and are documented in the patient's record.

2. Continual clinical observation of the patient's responsiveness, color, respiratory rate, and depth of ventilation shall be performed.

3. Once the administration of nitrous oxide has begun, the dentist shall ensure that a licensed health care professional or a person qualified in accordance with 18VAC60-21-260 I monitors the patient at all times until discharged as required in subsection G of this section.

4. Monitoring shall include making the proper adjustments of nitrous oxide/oxygen machines at the request of or by the dentist or by another qualified licensed health professional identified in subsection C of this section. Only the dentist or another qualified licensed health professional identified in subsection C of this section may turn the nitrous oxide/oxygen machines on or off.

5. Upon completion of nitrous oxide administration, the patient shall be administered 100% oxygen for a minimum of five minutes to minimize the risk of diffusion hypoxia.

G. Discharge requirements.

1. The dentist shall not discharge a patient until he exhibits baseline responses in a post-operative evaluation of the level of consciousness. Vital signs, to include blood pressure and heart rate, shall be taken and recorded prior to discharge.

2. Post-operative instructions shall be given verbally and in writing. The written instructions shall include a 24-hour emergency telephone number.

3. Pediatric patients shall be discharged with a responsible individual who has been instructed with regard to the patient's care.

18VAC60-21-280. Administration of minimal sedation.

A. Education and training requirements. A dentist who utilizes minimal sedation shall have training in and knowledge of:

1. The medications used, the appropriate dosages, the potential complications of administration, the indicators for complications, and the interventions to address the complications.

2. The physiological effects of minimal sedation, the potential complications of administration, the indicators for complications, and the interventions to address the complications.

3. The use and maintenance of the equipment required in subsection D of this section.

B. No sedating medication shall be prescribed for or administered to a patient 12 years of age or younger prior to his arrival at the dental office or treatment facility.

C. Delegation of administration.

1. A qualified dentist may administer or use the services of the following personnel to administer minimal sedation:

a. A dentist;

b. An anesthesiologist;

c. A certified registered nurse anesthetist under his medical direction and indirect supervision;

d. A dental hygienist with the training required by 18VAC60-25-100 C only for administration of nitrous oxide/oxygen with the dentist present in the operatory; or

e. A registered nurse upon his direct instruction and under immediate supervision.

2. Preceding the administration of minimal sedation, a dentist may use the services of the following personnel working under indirect supervision to administer local anesthesia to numb an injection or treatment site:

a. A dental hygienist with the training required by 18VAC60-25-100 C to parenterally administer Schedule VI local anesthesia to persons 18 years of age or older; or

b. A dental hygienist, dental assistant, registered nurse, or licensed practical nurse to administer Schedule VI topical oral anesthetics;

3. If minimal sedation is self-administered by or to a patient 13 years of age or older before arrival at the dental office or treatment facility, the dentist may only use the personnel listed in subdivision 1 of this subsection to administer local anesthesia.

D. Equipment requirements. A dentist who utilizes minimal sedation or who directs the administration by another licensed health professional as permitted in subsection C of this section

shall maintain the following equipment in working order and immediately available to the areas where patients will be sedated and treated and will recover:

1. Blood pressure monitoring equipment;
2. Source of delivery of oxygen under controlled positive pressure;
3. Mechanical (hand) respiratory bag;
4. Suction apparatus; and
5. Pulse oximeter.

E. Required staffing. The treatment team for minimal sedation shall consist of the dentist and a second person in the operatory with the patient to assist the dentist and monitor the patient. The second person shall be a licensed health care professional or a person qualified in accordance with 18VAC60-21-260 I.

F. Monitoring requirements.

1. Baseline vital signs to include blood pressure, respiratory rate, and heart rate shall be taken and recorded prior to administration of sedation and prior to discharge.
2. Blood pressure, oxygen saturation, respiratory rate, and pulse shall be monitored continuously during the procedure.
3. Once the administration of minimal sedation has begun by any route of administration, the dentist shall ensure that a licensed health care professional or a person qualified in accordance with 18VAC60-21-260 I monitors the patient at all times until discharged as required in subsection G of this section.
4. If nitrous oxide/oxygen is used in addition to any other pharmacological agent, monitoring shall include making the proper adjustments of nitrous oxide/oxygen machines at the request of or by the dentist or by another qualified licensed health professional identified in subsection C of this section. Only the dentist or another qualified licensed health professional identified in subsection C of this section may turn the nitrous oxide/oxygen machines on or off.
5. If any other pharmacological agent is used in addition to nitrous oxide/oxygen and a local anesthetic, requirements for the induced level of sedation must be met.

G. Discharge requirements.

1. The dentist shall not discharge a patient until he exhibits baseline responses in a post-operative evaluation of the level of consciousness. Vital signs, to include blood pressure, respiratory rate, and heart rate shall be taken and recorded prior to discharge.
2. Post-operative instructions shall be given verbally and in writing. The written instructions shall include a 24-hour emergency telephone number.
3. Pediatric patients shall be discharged with a responsible individual who has been instructed with regard to the patient's care.

18VAC60-21-290. Requirements for a conscious/moderate sedation permit.

A. After March 31, 2013, no dentist may employ or use conscious/moderate sedation in a dental office unless he has been issued a permit by the board. The requirement for a permit shall not apply to an oral and maxillofacial surgeon who maintains membership in the American Association of Oral and Maxillofacial Surgeons (AAOMS) and who provides the board with reports that result from the periodic office examinations required by AAOMS. Such an oral and maxillofacial surgeon shall be required to post a certificate issued by AAOMS.

B. Automatic qualification. Dentists who hold a current permit to administer deep sedation and general anesthesia may administer conscious/moderate sedation.

C. To determine eligibility for a conscious/moderate sedation permit, a dentist shall submit the following:

1. A completed application form indicating one of the following permits for which the applicant is qualified:

- a. Conscious/moderate sedation by any method;
- b. Conscious/moderate sedation by enteral administration only; or
- c. Temporary conscious/moderate sedation permit (may be renewed one time);

2. The application fee as specified in 18VAC60-21-40;

3. A copy of a transcript, certification, or other documentation of training content that meets the educational and training qualifications as specified in subsection D of this section, as applicable; and

4. A copy of current certification in advanced cardiac life support (ACLS) or pediatric advanced life support (PALS) as required in subsection E of this section.

D. Education requirements for a permit to administer conscious/moderate sedation.

1. Administration by any method. A dentist may be issued a conscious/moderate sedation permit to administer by any method by meeting one of the following criteria:

a. Completion of training for this treatment modality according to the ADA's Guidelines for Teaching the Comprehensive Control of Anxiety and Pain in Dentistry in effect at the time the training occurred, while enrolled in an accredited dental program or while enrolled in a post-doctoral university or teaching hospital program; or

b. Completion of a continuing education course that meets the requirements of 18VAC60-21-250 and consists of (i) 60 hours of didactic instruction plus the management of at least 20 patients per participant, (ii) demonstration of competency and clinical experience in conscious/moderate sedation, and (iii) management of a compromised airway. The course content shall be consistent with the ADA's Guidelines for Teaching the Comprehensive Control of Anxiety and Pain in Dentistry in effect at the time the training occurred.

2. Enteral administration only. A dentist may be issued a conscious/moderate sedation permit to administer only by an enteral method if he has completed a continuing education program that meets the requirements of 18VAC60-21-250 and consists of not less than 18 hours of didactic instruction plus 20 clinically oriented experiences in enteral or a combination of enteral and nitrous oxide/oxygen conscious/moderate sedation techniques. The course content shall be consistent with the ADA's Guidelines for Teaching the Comprehensive Control of Anxiety and Pain in Dentistry in effect at the time the training occurred. The certificate of completion and a detailed description of the course content must be maintained.

3. A dentist who self-certified his qualifications in anesthesia and moderate sedation prior to January 1989 may be issued a temporary conscious/moderate sedation permit to continue to administer only conscious/moderate sedation until May 7, 2015. After May 7, 2015, a dentist shall meet the requirements for and obtain a conscious/moderate sedation permit to administer by any method or by enteral administration only.

E. Additional training required. Dentists who administer conscious/moderate sedation shall:

1. Hold current certification in advanced resuscitation techniques with hands-on simulated airway and megacode training for health care providers, such as ACLS or PALS as evidenced by a certificate of completion posted with the dental license; and

2. Have current training in the use and maintenance of the equipment required in 18VAC60-21-291.

18VAC60-21-291. Requirements for administration of conscious/moderate sedation.

A. Delegation of administration.

1. A dentist who does not hold a permit to administer conscious/moderate sedation shall only use the services of a qualified dentist or an anesthesiologist to administer such sedation in a dental office. In a licensed outpatient surgery center, a dentist who does not hold a permit to administer conscious/moderate sedation shall use either a qualified dentist, an anesthesiologist, or a certified registered nurse anesthetist to administer such sedation.

2. A dentist who holds a permit may administer or use the services of the following personnel to administer conscious/moderate sedation:

- a. A dentist with the training required by 18VAC60-21-290 D 2 to administer by an enteral method;
- b. A dentist with the training required by 18VAC60-21-290 D 1 to administer by any method;
- c. An anesthesiologist;
- d. A certified registered nurse anesthetist under the medical direction and indirect supervision of a dentist who meets the training requirements of 18VAC60-21-290 D 1; or
- e. A registered nurse upon his direct instruction and under the immediate supervision of a dentist who meets the training requirements of 18VAC60-21-290 D 1.

3. If minimal sedation is self-administered by or to a patient 13 years of age or older before arrival at the dental office, the dentist may only use the personnel listed in subdivision 2 of this subsection to administer local anesthesia. No sedating medication shall be prescribed for or administered to a patient 12 years of age or younger prior to his arrival at the dentist office or treatment facility.

4. Preceding the administration of conscious/moderate sedation, a permitted dentist may use the services of the following personnel under indirect supervision to administer local anesthesia to anesthetize the injection or treatment site:

- a. A dental hygienist with the training required by 18VAC60-25-100 C to parenterally administer Schedule VI local anesthesia to persons 18 years of age or older; or
- b. A dental hygienist, dental assistant, registered nurse, or licensed practical nurse to administer Schedule VI topical oral anesthetics.

5. A dentist who delegates administration of conscious/moderate sedation shall ensure that:

- a. All equipment required in subsection B of this section is present, in good working order, and immediately available to the areas where patients will be sedated and treated and will recover; and
- b. Qualified staff is on site to monitor patients in accordance with requirements of subsection D of this section.

B. Equipment requirements. A dentist who administers conscious/moderate sedation shall have available the following equipment in sizes for adults or children as appropriate for the patient being treated and shall maintain it in working order and immediately available to the areas where patients will be sedated and treated and will recover:

1. Full face mask or masks;
2. Oral and nasopharyngeal airway management adjuncts;

3. Endotracheal tubes with appropriate connectors or other appropriate airway management adjunct such as a laryngeal mask airway;
4. A laryngoscope with reserve batteries and bulbs and appropriately sized laryngoscope blades;
5. Pulse oximetry;
6. Blood pressure monitoring equipment;
7. Pharmacologic antagonist agents;
8. Source of delivery of oxygen under controlled positive pressure;
9. Mechanical (hand) respiratory bag;
10. Appropriate emergency drugs for patient resuscitation;
11. Electrocardiographic monitor if a patient is receiving parenteral administration of sedation or if the dentist is using titration;
12. Defibrillator;
13. Suction apparatus;
14. Temperature measuring device;
15. Throat pack; and
16. Precordial or pretracheal stethoscope.
17. An end-tidal carbon dioxide monitor (capnograph).

C. Required staffing. At a minimum, there shall be a two-person treatment team for conscious/moderate sedation. The team shall include the operating dentist and a second person to monitor the patient as provided in 18VAC60-21-260 K and assist the operating dentist as provided in 18VAC60-21-260 J, both of whom shall be in the operatory with the patient throughout the dental procedure. If the second person is a dentist, an anesthesiologist, or a certified registered nurse anesthetist who administers the drugs as permitted in 18VAC60-21-291 A, such person may monitor the patient.

D. Monitoring requirements.

1. Baseline vital signs shall be taken and recorded prior to administration of any controlled drug at the facility and prior to discharge.
2. Blood pressure, oxygen saturation, end-tidal carbon dioxide, and pulse shall be monitored continually during the administration and recorded every five minutes.
3. Monitoring of the patient under conscious/moderate sedation is to begin prior to administration of sedation or, if pre-medication is self-administered by the patient, immediately upon the patient's arrival at the dental facility and shall take place continuously during the dental procedure and recovery from sedation. The person who administers the sedation or another licensed practitioner qualified to administer the same level of sedation must remain on the premises of the dental facility until the patient is evaluated and is discharged.

E. Discharge requirements.

1. The patient shall not be discharged until the responsible licensed practitioner determines that the patient's level of consciousness, oxygenation, ventilation, and circulation are satisfactory for discharge and vital signs have been taken and recorded.
2. Post-operative instructions shall be given verbally and in writing. The written instructions shall include a 24-hour emergency telephone number.
3. The patient shall be discharged with a responsible individual who has been instructed with regard to the patient's care.

F. Emergency management. The dentist shall be proficient in handling emergencies and complications related to pain control procedures, including the maintenance of respiration and circulation, immediate establishment of an airway, and cardiopulmonary resuscitation.

18VAC60-21-300. Requirements for a deep sedation/general anesthesia permit.

A. After March 31, 2013, no dentist may employ or use deep sedation or general anesthesia in a dental office unless he has been issued a permit by the board. The requirement for a permit shall not apply to an oral and maxillofacial surgeon who maintains membership in AAOMS and who provides the board with reports that result from the periodic office examinations required by AAOMS. Such an oral and maxillofacial surgeon shall be required to post a certificate issued by AAOMS.

B. To determine eligibility for a deep sedation/general anesthesia permit, a dentist shall submit the following:

1. A completed application form;
2. The application fee as specified in 18VAC60-21-40;
3. A copy of the certificate of completion of a CODA accredited program or other documentation of training content which meets the educational and training qualifications specified in subsection C of this section; and
4. A copy of current certification in Advanced Cardiac Life Support for Health Professionals (ACLS) or Pediatric Advanced Life Support for Health Professionals (PALS) as required in subsection C of this section.

C. Educational and training qualifications for a deep sedation/general anesthesia permit.

1. Completion of a minimum of one calendar year of advanced training in anesthesiology and related academic subjects beyond the undergraduate dental school level in a training program in conformity with the ADA's Guidelines for Teaching the Comprehensive Control of Anxiety and Pain in Dentistry in effect at the time the training occurred; or
2. Completion of an CODA accredited residency in any dental specialty that incorporates into its curriculum a minimum of one calendar year of full-time training in clinical anesthesia and related clinical medical subjects (i.e., medical evaluation and management of patients) comparable to those set forth in the ADA's Guidelines for Graduate and Postgraduate Training in Anesthesia in effect at the time the training occurred; and
3. Current certification in advanced resuscitative techniques with hands-on simulated airway and megacode training for health care providers, including basic electrocardiographic interpretations, such as courses in ACLS or PALS; and
4. Current training in the use and maintenance of the equipment required in 18VAC60-21-301.

18VAC60-21-301. Requirements for administration of deep sedation or general anesthesia.

A. Preoperative requirements. Prior to the appointment for treatment under deep sedation or general anesthesia the patient shall:

1. Be informed about the personnel and procedures used to deliver the sedative or anesthetic drugs to assure informed consent as required by 18VAC60-21-260 F.
2. Have a physical evaluation as required by 18VAC60-21-260 C.
3. Be given preoperative verbal and written instructions including any dietary or medication restrictions.

B. Delegation of administration.

1. A dentist who does not meet the requirements of 18VAC60-21-300 shall only use the services of a dentist who does meet those requirements or an anesthesiologist to administer deep sedation or general anesthesia in a dental office. In a licensed outpatient surgery center, a dentist shall use either a dentist who meets the requirements of 18VAC60-21-300, an anesthesiologist, or a certified registered nurse anesthetist to administer deep sedation or general anesthesia.

2. A dentist who meets the requirements of 18VAC60-21-300 may administer or use the services of the following personnel to administer deep sedation or general anesthesia:

a. A dentist with the training required by 18VAC60-21-300 C;

b. An anesthesiologist; or

c. A certified registered nurse anesthetist under the medical direction and indirect supervision of a dentist who meets the training requirements of 18VAC60-21-300 C.

3. Preceding the administration of deep sedation or general anesthesia, a dentist who meets the requirements of 18VAC60-21-300 may use the services of the following personnel under indirect supervision to administer local anesthesia to anesthetize the injection or treatment site:

a. A dental hygienist with the training required by 18VAC60-25-100 C to parenterally administer Schedule VI local anesthesia to persons 18 years of age or older; or

b. A dental hygienist, dental assistant, registered nurse, or licensed practical nurse to administer Schedule VI topical oral anesthetics.

C. Equipment requirements. A dentist who administers deep sedation or general anesthesia shall have available the following equipment in sizes appropriate for the patient being treated and shall maintain it in working order and immediately available to the areas where patients will be sedated and treated and will recover:

1. Full face mask or masks;

2. Oral and nasopharyngeal airway management adjuncts;

3. Endotracheal tubes with appropriate connectors or other appropriate airway management adjunct such as a laryngeal mask airway;

4. A laryngoscope with reserve batteries and bulbs and appropriately sized laryngoscope blades;

5. Source of delivery of oxygen under controlled positive pressure;

6. Mechanical (hand) respiratory bag;

7. Pulse oximetry and blood pressure monitoring equipment available and used in the treatment room;

8. Appropriate emergency drugs for patient resuscitation;

9. EKG monitoring equipment;

10. Temperature measuring devices;

11. Pharmacologic antagonist agents;

12. External defibrillator (manual or automatic);

13. An end-tidal carbon dioxide monitor (capnograph);

14. Suction apparatus;

15. Throat pack; and

16. Precordial or pretracheal stethoscope.

D. Required staffing. At a minimum, there shall be a three-person treatment team for deep sedation or general anesthesia. The team shall include the operating dentist, a second person to monitor the

patient as provided in 18VAC60-21-260 K, and a third person to assist the operating dentist as provided in 18VAC60-21-260 J, all of whom shall be in the operatory with the patient during the dental procedure. If a second dentist, an anesthesiologist, or a certified registered nurse anesthetist administers the drugs as permitted in subsection B of this section, such person may serve as the second person to monitor the patient.

E. Monitoring requirements.

1. Baseline vital signs shall be taken and recorded prior to administration of any controlled drug at the facility to include: temperature, blood pressure, pulse, oxygen saturation, and respiration.
2. The patient's vital signs, end-tidal carbon dioxide, and EKG readings shall be monitored, recorded every five minutes, and reported to the treating dentist throughout the administration of controlled drugs. When depolarizing medications are administered, temperature shall be monitored constantly.
3. Monitoring of the patient undergoing deep sedation or general anesthesia is to begin prior to the administration of any drugs and shall take place continuously during administration, the dental procedure, and recovery from anesthesia. The person who administers the anesthesia or another licensed practitioner qualified to administer the same level of anesthesia must remain on the premises of the dental facility until the patient has regained consciousness and is discharged.

F. Emergency management.

1. A secured intravenous line must be established and maintained throughout the procedure.
2. The dentist shall be proficient in handling emergencies and complications related to pain control procedures, including the maintenance of respiration and circulation, immediate establishment of an airway, and cardiopulmonary resuscitation.

G. Discharge requirements.

1. The patient shall not be discharged until the responsible licensed practitioner determines that the patient's level of consciousness, oxygenation, ventilation, and circulation are satisfactory for discharge and vital signs have been taken and recorded.
2. Post-operative instructions shall be given verbally and in writing. The written instructions shall include a 24-hour emergency telephone number for the dental practice.
3. The patient shall be discharged with a responsible individual who has been instructed with regard to the patient's care.