

## DIVISION 26

### ANESTHESIA

#### 818-026-0000

##### Purpose

(1) These rules apply to the administration of substances that produce general anesthesia, deep sedation, moderate sedation, minimal sedation or nitrous oxide sedation in patients being treated by licensees in facilities not accredited by the Joint Commission on Accreditation of Health Care Organizations (JCAHO/TJC), the Accreditation Association for Ambulatory Health Care (AAAHC), the American Association for Accreditation of Ambulatory Surgical Facilities (AAAASF), the American Osteopathic Association (AOA) or their successor organizations. These regulations are not intended to prohibit training programs for licensees or to prevent persons from taking necessary action in case of an emergency.

(2) Nothing in this Division relieves a licensee from the standards imposed by ORS 679.140(1)(e) and 679.140(4).

Stat. Auth.: ORS 679 & 680

Stats. Implemented: ORS 679.250(7) & 679.250(10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 6-1999, f. 6-25-99, cert. ef. 7-1-99; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

#### 818-026-0010

##### Definitions

As used in these rules:

(1) "Anesthesia Monitor" means a person trained in monitoring patients under sedation and capable of assisting with procedures, problems and emergency incidents that may occur as a result of the sedation or secondary to an unexpected medical complication.

(2) "Anxiolysis" means the diminution or elimination of anxiety.

(3) "General Anesthesia" means a drug-induced loss of consciousness during which patients are not arousable, even by painful stimulation. The ability to independently maintain ventilatory function is often impaired. Patients often require assistance in maintaining a patent airway, and positive pressure ventilation may be required because of depressed spontaneous ventilation or drug-induced depression of neuromuscular function. Cardiovascular function may be impaired.

(4) "Deep Sedation" means a drug-induced depression of consciousness during which patients cannot be easily aroused but respond purposefully following repeated or painful stimulation. The ability

to independently maintain ventilatory function may be impaired. Patients may require assistance in maintaining a patent airway, and spontaneous ventilation may be inadequate. Cardiovascular function is usually maintained.

(5) "Moderate Sedation" means a drug-induced depression of consciousness during which patients respond purposefully to verbal commands, either alone or accompanied by light tactile stimulation. No interventions are required to maintain a patent airway, and spontaneous ventilation is adequate. Cardiovascular function is usually maintained.

(6) "Minimal Sedation" means minimally depressed level of consciousness, produced by non-intravenous pharmacological methods, that retains the patient's ability to independently and continuously maintain an airway and respond normally to tactile stimulation and verbal command. When the intent is minimal sedation for adults, the appropriate initial dosing of a single non-intravenous pharmacological method is no more than the maximum recommended dose (MRD) of a drug that can be prescribed for unmonitored home use. Nitrous oxide/oxygen may be used in combination with a single non-intravenous pharmacological method in minimal sedation.

(7) "Nitrous Oxide Sedation" means an induced, controlled state of minimal sedation, produced solely by the inhalation of a combination of nitrous oxide and oxygen in which the patient retains the ability to independently and continuously maintain an airway and to respond purposefully to physical stimulation and to verbal command.

(8) "Maximum recommended dose" (MRD) means maximum Food and Drug Administration-recommended dose of a drug, as printed in Food and Drug Administration-Approved labeling for unmonitored dose.

Stat. Auth.: ORS 679

Stats. Implemented: ORS 679.250(7) & 679.250(10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 6-1999, f. 6-25-99, cert. ef. 7-1-99; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

#### 818-026-0020

##### Presumption of Degree of Central Nervous System Depression

(1) In any hearing where a question exists as to the degree of central nervous system depression a licensee has induced (i.e., general anesthesia, deep sedation, moderate sedation, minimal sedation or nitrous oxide sedation), the Board may base its findings on, among other things, the types, dosages and routes of administration of drugs administered to

the patient and what result can reasonably be expected from those drugs in those dosages and routes administered in a patient of that physical and psychological status.

(2) The following drugs are conclusively presumed to produce general anesthesia and may only be used by a licensee holding a General Anesthesia Permit:

(a) Ultra short acting barbiturates including, but not limited to, sodium methohexital, thiopental, thiamylal;

(b) Alkylphenols -- propofol (Diprivan) including precursors or derivatives;

(c) Neuroleptic agents;

(d) Dissociative agents -- ketamine;

(e) Etomidate;

(f) Rapidly acting steroid preparations; and

(g) Volatile inhalational agents.

(3) No permit holder shall have more than one person under any form of sedation or general anesthesia at the same time exclusive of recovery.

Stat. Auth.: ORS 679 & 680

Stats. Implemented: ORS 679.250(7) & 679.250(10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 6-1999, f. 6-25-99, cert. ef. 7-1-99; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

### **818-026-0030**

#### **Requirement for Anesthesia Permit, Standards and Qualifications of an Anesthesia Monitor**

(1) A permit holder who administers sedation shall assure that drugs, drug dosages, and/or techniques used to produce sedation shall carry a margin of safety wide enough to prevent unintended deeper levels of sedation.

(2) No dentist or dental hygienist shall induce central nervous system sedation or general anesthesia without first having obtained a permit under these rules for the level of anesthesia being induced.

(3) No dentist or dental hygienist may be granted a permit to administer sedation or general anesthesia under these rules without documentation of current training/education and/or competency in the permit category for which the licensee is applying. The applicant may demonstrate current training/education or competency by any one the following:

(a) Current training/education or competency shall be limited to completion of initial training/education in the permit category for which the applicant is applying and shall be completed no more than two years immediately prior to application for sedation or general anesthesia permit; or

(b) Completion of initial training/education no greater than five years immediately prior to

application for sedation or general anesthesia permit. Current competency must be documented by completion of all continuing education that would have been required for that anesthesia/permit category during that five year period following initial training; or

(c) Completion of initial training/education no greater than five years immediately prior to application for sedation or general anesthesia permit. Current competency must be documented by completion of a comprehensive review course approved by the Board in the permit category to which the applicant is applying and must consist of at least one-half (50%) of the hours required by rule for Nitrous Oxide, Minimal Sedation, Moderate Sedation and General Anesthesia Permits. Deep Sedation and General Anesthesia Permits will require at least 120 hours of general anesthesia training.

(d) An applicant for sedation or general anesthesia permit whose completion of initial training/education is greater than five years immediately prior to application, may be granted a sedation or general anesthesia permit by submitting documentation of the requested permit level from another state or jurisdiction where the applicant is also licensed to practice dentistry or dental hygiene, and provides documentation of the completion of at least 25 cases in the requested level of sedation or general anesthesia in the 12 months immediately preceding application; or

(e) Demonstration of current competency to the satisfaction of the Board that the applicant possesses adequate sedation or general anesthesia skill to safely deliver sedation or general anesthesia services to the public.

(4) Persons serving as anesthesia monitors in a dental office shall maintain current certification in Health Care Provider Basic Life Support (BLS)/Cardio Pulmonary Resuscitation (CPR) training, or its equivalent, shall be trained in monitoring patient vital signs, and be competent in the use of monitoring and emergency equipment appropriate for the level of sedation utilized. (The term "competent" as used in these rules means displaying special skill or knowledge derived from training and experience.)

(5) No dentist or dental hygienist holding an anesthesia permit shall administer anesthesia unless they hold a current Health Care Provider BLS/CPR level certificate or its equivalent, or holds a current Advanced Cardiac Life Support (ACLS) Certificate or Pediatric Advanced Life Support (PALS) Certificate, whichever is appropriate for the patient being sedated.

(6) When a dentist utilizes a single dose oral agent to achieve anxiolysis only, no anesthesia permit is required.

(7) The applicant for an anesthesia permit must pay the appropriate permit fee, submit a completed Board-approved application and consent to an office evaluation.

(8) Permits shall be issued to coincide with the applicant's licensing period.

Stat. Auth.: ORS 679 & 680

Stats. Implemented: ORS 679.250

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 2-2005, f. 1-31-05, cert. ef. 2-1-05; OBD 3-2005, f. 10-26-05, cert. ef. 11-1-05; OBD 1-2008, f. 11-10-08, cert. ef. 12-1-08; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

### **818-026-0035**

#### **Classes of Anesthesia Permit**

The Board shall issue the following classes of permits:

(1) A Nitrous Oxide Permit authorizes a dental hygienist or a dentist to induce nitrous oxide sedation.

(2) A Minimal Sedation Permit authorizes a dentist to induce minimal sedation and nitrous oxide sedation.

(3) A Moderate Sedation Permit authorizes a dentist to induce moderate sedation, minimal sedation and nitrous oxide sedation.

(4) A Deep Sedation Permit authorizes a dentist to induce deep sedation, moderate sedation, minimal sedation, and nitrous oxide sedation. The Board shall issue a Deep Sedation Permit to a licensee who holds a Class 3 Permit on or before July 1, 2010.

(5) A General Anesthesia Permit authorizes a dentist to induce general anesthesia, deep sedation, moderate sedation, minimal sedation and nitrous oxide sedation.

Stat. Auth.: ORS 679 & 680

Stats. Implemented: ORS 679.250(7) & 679.250(10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 6-1999, f. 6-25-99, cert. ef. 7-1-99; Administrative correction 8-12-99; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

### **818-026-0040**

#### **Qualifications, Standards Applicable, and Continuing Education Requirements for Anesthesia Permits: Nitrous Oxide Permit**

Nitrous Oxide Sedation.

(1) The Board shall issue a Nitrous Oxide Permit to an applicant who:

(a) Is either a licensed dentist or licensed hygienist in the State of Oregon;

(b) Holds a valid and current Health Care Provider BLS/CPR level certificate, or its equivalent; and

(c) Has completed a training course of at least 14 hours of instruction in the use of nitrous oxide from a dental school or dental hygiene program accredited by the Commission on Dental Accreditation of the American Dental Association, or as a postgraduate.

(2) The following facilities, equipment and drugs shall be on site and available for immediate use during the procedure and during recovery:

(a) An operating room large enough to adequately accommodate the patient on an operating table or in an operating chair and to allow delivery of appropriate care in an emergency situation;

(b) An operating table or chair which permits the patient to be positioned so that the patient's airway can be maintained, quickly alter the patient's position in an emergency, and provide a firm platform for the administration of basic life support;

(c) A lighting system which permits evaluation of the patient's skin and mucosal color and a backup lighting system of sufficient intensity to permit completion of any operation underway in the event of a general power failure;

(d) Suction equipment which permits aspiration of the oral and pharyngeal cavities and a backup suction device which will function in the event of a general power failure;

(e) An oxygen delivery system with adequate full face masks and appropriate connectors that is capable of delivering high flow oxygen to the patient under positive pressure, together with an adequate backup system;

(f) A nitrous oxide delivery system with a fail-safe mechanism that will insure appropriate continuous oxygen delivery and a scavenger system; and

(g) Sphygmomanometer and stethoscope and/or automatic blood pressure cuff.

(3) Before inducing nitrous oxide sedation, a permit holder shall:

(a) Evaluate the patient;

(b) Give instruction to the patient or, when appropriate due to age or psychological status of the patient, the patient's guardian;

(c) Certify that the patient is an appropriate candidate for nitrous oxide sedation; and

(d) Obtain informed consent from the patient or patient's guardian for the anesthesia. The obtaining of the informed consent shall be documented in the patient's record.

(4) A patient under nitrous oxide sedation shall be visually monitored by the permit holder or by an anesthesia monitor at all times. The patient shall be monitored as to response to verbal stimulation, oral mucosal color and preoperative and postoperative vital signs.

(5) The permit holder or anesthesia monitor shall record the patient's condition. The record must include documentation of all medications administered with dosages, time intervals and route of administration.

(6) The person administering the nitrous oxide sedation may leave the immediate area after initiating the administration of nitrous oxide sedation only if a qualified anesthesia monitor is continuously observing the patient.

(7) The permit holder shall assess the patient's responsiveness using preoperative values as normal guidelines and discharge the patient only when the following criteria are met:

(a) The patient is alert and oriented to person, place and time as appropriate to age and preoperative psychological status;

(b) The patient can talk and respond coherently to verbal questioning;

(c) The patient can sit up unaided or without assistance;

(d) The patient can ambulate with minimal assistance; and

(e) The patient does not have nausea, vomiting or dizziness.

(8) The permit holder shall make a discharge entry in the patient's record indicating the patient's condition upon discharge.

(9) Permit renewal. In order to renew a Nitrous Oxide Permit, the permit holder must provide proof of having a current Health Care Provider BLS/CPR level certificate, or its equivalent. In addition, Nitrous Oxide Permit holders must also complete four (4) hours of continuing education in one or more of the following areas every two years: sedation, nitrous oxide, physical evaluation, medical emergencies, monitoring and the use of monitoring equipment, or pharmacology of drugs and agents used in sedation. Training taken to maintain current Health Care Provider BLS/CPR level certification, or its equivalent, may not be counted toward this requirement. Continuing education hours may be counted toward fulfilling the continuing education requirement set forth in OAR 818-021-0060 and 818-021-0070.

Stat. Auth.: ORS 679 & 680

Stats. Implemented: ORS 679.250(7) & (10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05,

## 818-026-0050

### Minimal Sedation Permit

Minimal sedation and nitrous oxide sedation.

(1) The Board shall issue a Minimal Sedation Permit to an applicant who:

(a) Is a licensed dentist in Oregon;

(b) Holds a valid and current Health Care Provider BLS/CPR level certificate, or its equivalent; and

(c) Completion of a comprehensive training program consisting of at least 16 hours of training and satisfies the requirements of the *ADA Guidelines for Teaching Pain Control and Sedation to Dentists and Dental Students (2007)* at the time training was commenced or postgraduate instruction was completed, or the equivalent of that required in graduate training programs, in sedation, recognition and management of complications and emergency care; or

(d) In lieu of these requirements, the Board may accept equivalent training or experience in minimal sedation anesthesia.

(2) The following facilities, equipment and drugs shall be on site and available for immediate use during the procedures and during recovery:

(a) An operating room large enough to adequately accommodate the patient on an operating table or in an operating chair and to allow an operating team of at least two individuals to freely move about the patient;

(b) An operating table or chair which permits the patient to be positioned so the operating team can maintain the patient's airway, quickly alter the patient's position in an emergency, and provide a firm platform for the administration of basic life support;

(c) A lighting system which permits evaluation of the patient's skin and mucosal color and a backup lighting system of sufficient intensity to permit completion of any operation underway in the event of a general power failure;

(d) Suction equipment which permits aspiration of the oral and pharyngeal cavities and a backup suction device which will function in the event of a general power failure;

(e) An oxygen delivery system with adequate full facemask and appropriate connectors that is capable of delivering high flow oxygen to the patient under positive pressure, together with an adequate backup system;

(f) A nitrous oxide delivery system with a fail-safe mechanism that will insure appropriate continuous oxygen delivery and a scavenger system;

(g) Sphygmomanometer, stethoscope, pulse

oximeter, and/or automatic blood pressure cuff; and

(h) Emergency drugs including, but not limited to: pharmacologic antagonists appropriate to the drugs used, vasopressors, corticosteroids, bronchodilators, antihistamines, antihypertensives and anticonvulsants.

(3) Before inducing minimal sedation, a dentist who induces minimal sedation shall:

(a) Evaluate the patient;

(b) Give written preoperative and postoperative instructions to the patient or, when appropriate due to age or psychological status of the patient, the patient's guardian;

(c) Certify that the patient is an appropriate candidate for minimal sedation; and

(d) Obtain written informed consent from the patient or patient's guardian for the anesthesia. The obtaining of the informed consent shall be documented in the patient's record.

(4) No permit holder shall have more than one person under minimal sedation at the same time.

(5) While the patient is being treated under minimal sedation, an anesthesia monitor shall be present in the room in addition to the treatment provider. The anesthesia monitor may be the chairside assistant.

(6) A patient under minimal sedation shall be visually monitored at all times, including recovery phase. The dentist or anesthesia monitor shall monitor and record the patient's condition.

(7) The patient shall be monitored as follows:

(a) Patients must have continuous monitoring using pulse oximetry. The patient's blood pressure, heart rate, and respiration shall be taken if they can reasonably be obtained. If the information cannot be obtained, the reasons shall be documented in the patient's record. The record must also include documentation of all medications administered with dosages, time intervals and route of administration.

(b) A discharge entry shall be made by the dentist in the patient's record indicating the patient's condition upon discharge and the name of the responsible party to whom the patient was discharged.

(8) The dentist shall assess the patient's responsiveness using preoperative values as normal guidelines and discharge the patient only when the following criteria are met:

(a) Vital signs including blood pressure, pulse rate and respiratory rate are stable;

(b) The patient is alert and oriented to person, place and time as appropriate to age and preoperative psychological status;

(c) The patient can talk and respond coherently to verbal questioning;

(d) The patient can sit up unaided;

(e) The patient can ambulate with minimal assistance; and

(f) The patient does not have uncontrollable nausea or vomiting and has minimal dizziness.

(g) A dentist shall not release a patient who has undergone minimal sedation except to the care of a responsible third party.

(9) Permit renewal. In order to renew a Minimal Sedation Permit, the permit holder must provide documentation of having a current Health Care Provider BLS/CPR level certificate, or its equivalent. In addition, Minimal Sedation Permit holders must also complete four (4) hours of continuing education in one or more of the following areas every two years: sedation, physical evaluation, medical emergencies, monitoring and the use of monitoring equipment, or pharmacology of drugs and agents used in sedation. Training taken to maintain current Health Care Provider BLS/CPR level certification, or its equivalent, may not be counted toward this requirement. Continuing education hours may be counted toward fulfilling the continuing education requirement set forth in OAR 818-021-0060.

Stat. Auth.: ORS 679

Stats. Implemented: ORS 679.250(7) & 679.250(10)

Hist.: OBD 6-1999, f. 6-25-99, cert. ef. 7-1-99; Administrative correction 8-12-99; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 2-2005, f. 1-31-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

## **818-026-0055**

### **Dental Hygiene and Dental Assistant Procedures Performed Under Minimal Sedation**

(1) Under indirect supervision, dental hygiene procedures may be performed for a patient who is under minimal sedation under the following conditions:

(a) A dentist holding a Minimal, Moderate, Deep Sedation or General Anesthesia Permit administers the sedative agents;

(b) The dentist permit holder performs the appropriate pre- and post-operative evaluation and discharges the patient in accordance with 818-026-0050(7) and (8); and

(c) An anesthesia monitor, in addition to the dental hygienist performing the authorized procedures, is present with the patient at all times.

(2) Under direct supervision, a dental assistant may perform those procedures for which the dental assistant holds the appropriate certification for a patient who is under minimal sedation under the following conditions:

(a) A dentist holding the Minimal, Moderate,

Deep Sedation or General Anesthesia Permit administers the sedative agents;

(b) The dentist permit holder, or an anesthesia monitor, monitors the patient; and

(c) The dentist permit holder performs the appropriate pre- and post-operative evaluation and discharges the patient in accordance with 818-026-0050(7) and (8).

Stat. Auth.: ORS 679 & 680

Stats. Implemented: ORS 679.250(7) & 679.250(10)

Hist.: OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

### **818-026-0060**

#### **Moderate Sedation Permit**

Moderate sedation, minimal sedation, and nitrous oxide sedation.

(1) The Board shall issue or renew a Moderate Sedation Permit to an applicant who:

(a) Is a licensed dentist in Oregon;

(b) Holds a current Advanced Cardiac Life Support (ACLS) or Pediatric Advanced Life Support (PALS) certificate, whichever is appropriate for the patient being sedated; and

(c) Satisfies one of the following criteria:

(A) Completion of a comprehensive training program in enteral and/or parenteral sedation that satisfies the requirements described in Part III of the *ADA Guidelines for Teaching Pain Control and Sedation to Dentists and Dental Students (2007)* at the time training was commenced.

(i) Enteral Moderate Sedation requires a minimum of 24 hours of instruction plus management of at least 10 dental patient experiences by the enteral and/or enteral-nitrous oxide/oxygen route.

(ii) Parenteral Moderate Sedation requires a minimum of 60 hours of instruction plus management of at least 20 dental patients by the intravenous route.

(B) Completion of an ADA accredited postdoctoral training program (e.g., general practice residency) which affords comprehensive and appropriate training necessary to administer and manage parenteral sedation, commensurate with these Guidelines.

(C) In lieu of these requirements, the Board may accept equivalent training or experience in moderate sedation anesthesia.

(2) The following facilities, equipment and drugs shall be on site and available for immediate use during the procedures and during recovery:

(a) An operating room large enough to adequately accommodate the patient on an operating table or in an operating chair and to allow an operating team of at least two individuals to freely

move about the patient;

(b) An operating table or chair which permits the patient to be positioned so the operating team can maintain the patient's airway, quickly alter the patient's position in an emergency, and provide a firm platform for the administration of basic life support;

(c) A lighting system which permits evaluation of the patient's skin and mucosal color and a backup lighting system of sufficient intensity to permit completion of any operation underway in the event of a general power failure;

(d) Suction equipment which permits aspiration of the oral and pharyngeal cavities and a backup suction device which will function in the event of a general power failure;

(e) An oxygen delivery system with adequate full face mask and appropriate connectors that is capable of delivering high flow oxygen to the patient under positive pressure, together with an adequate backup system;

(f) A nitrous oxide delivery system with a fail-safe mechanism that will insure appropriate continuous oxygen delivery and a scavenger system;

(g) A recovery area that has available oxygen, adequate lighting, suction and electrical outlets. The recovery area can be the operating room;

(h) Sphygmomanometer, precordial/pretracheal stethoscope or capnograph, pulse oximeter, oral and nasopharyngeal airways, laryngeal mask airways, intravenous fluid administration equipment, automated external defibrillator (AED); and

(i) Emergency drugs including, but not limited to: pharmacologic antagonists appropriate to the drugs used, vasopressors, corticosteroids, bronchodilators, antihistamines, antihypertensives and anticonvulsants.

(3) No permit holder shall have more than one person under moderate sedation, minimal sedation, or nitrous oxide sedation at the same time.

(4) During the administration of moderate sedation, and at all times while the patient is under moderate sedation, an anesthesia monitor, and one other person holding a Health Care Provider BLS/CPR level certificate or its equivalent, shall be present in the operatory, in addition to the dentist performing the dental procedures.

(5) Before inducing moderate sedation, a dentist who induces moderate sedation shall:

(a) Evaluate the patient and document, using the American Society of Anesthesiologists *Patient Physical Status Classifications*, that the patient is an appropriate candidate for moderate sedation;

(b) Give written preoperative and postoperative instructions to the patient or, when appropriate due to age or psychological status of the patient, the patient's

guardian; and

(c) Obtain written informed consent from the patient or patient's guardian for the anesthesia.

(6) A patient under moderate sedation shall be visually monitored at all times, including the recovery phase. The dentist or anesthesia monitor shall monitor and record the patient's condition.

(7) The patient shall be monitored as follows:

(a) Patients must have continuous monitoring using pulse oximetry. The patient's blood pressure, heart rate, and respiration shall be recorded at regular intervals but at least every 15 minutes, and these recordings shall be documented in the patient record. The record must also include documentation of preoperative and postoperative vital signs, all medications administered with dosages, time intervals and route of administration. If this information cannot be obtained, the reasons shall be documented in the patient's record. A patient under moderate sedation shall be continuously monitored;

(b) During the recovery phase, the patient must be monitored by an individual trained to monitor patients recovering from moderate sedation.

(8) A dentist shall not release a patient who has undergone moderate sedation except to the care of a responsible third party.

(9) The dentist shall assess the patient's responsiveness using preoperative values as normal guidelines and discharge the patient only when the following criteria are met:

(a) Vital signs including blood pressure, pulse rate and respiratory rate are stable;

(b) The patient is alert and oriented to person, place and time as appropriate to age and preoperative psychological status;

(c) The patient can talk and respond coherently to verbal questioning;

(d) The patient can sit up unaided;

(e) The patient can ambulate with minimal assistance; and

(f) The patient does not have uncontrollable nausea or vomiting and has minimal dizziness.

(10) A discharge entry shall be made by the dentist in the patient's record indicating the patient's condition upon discharge and the name of the responsible party to whom the patient was discharged.

(11) After adequate training, an assistant, when directed by a dentist, may introduce additional anesthetic agents to an infusion line under the direct visual supervision of a dentist.

(12) Permit renewal. In order to renew a Moderate Sedation Permit, the permit holder must provide documentation of having current ACLS or PALS certification and must complete 14 hours of

continuing education in one or more of the following areas every two years: sedation, physical evaluation, medical emergencies, monitoring and the use of monitoring equipment, or pharmacology of drugs and agents used in sedation. Training taken to maintain current ACLS or PALS certification may be counted toward this requirement. Continuing education hours may be counted toward fulfilling the continuing education requirement set forth in OAR 818-021-0060.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 679

Stats. Implemented: ORS 679.250(7) & 679.250(10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 1-1999, f. 2-26-99, cert. ef. 3-1-99; OBD 6-1999, f. 6-25-99, cert. ef. 7-1-99; Administrative correction 8-12-99; OBD 2-2000(Temp), f. 5-22-00, cert. ef. 5-22-00 thru 11-18-00; OBD 2-2001, f. & cert. ef. 1-8-01; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 2-2005, f. 1-31-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

## **818-026-0065**

### **Deep Sedation**

Deep sedation, moderate sedation, minimal sedation, and nitrous oxide sedation.

(1) The Board shall issue a Deep Sedation Permit to a licensee who holds a Class 3 Permit on or before July 1, 2010:

(a) Is a licensed dentist in Oregon;

(b) Holds a current Advanced Cardiac Life Support (ACLS) or Pediatric Advanced Life Support (PALS) certificate, whichever is appropriate for the patient being sedated.

(2) The following facilities, equipment and drugs shall be on site and available for immediate use during the procedures and during recovery:

(a) An operating room large enough to adequately accommodate the patient on an operating table or in an operating chair and to allow an operating team of at least two individuals to freely move about the patient;

(b) An operating table or chair which permits the patient to be positioned so the operating team can maintain the patient's airway, quickly alter the patient's position in an emergency, and provide a firm platform for the administration of basic life support;

(c) A lighting system which permits evaluation of the patient's skin and mucosal color and a backup lighting system of sufficient intensity to permit completion of any operation underway in the event of a general power failure;

(d) Suction equipment which permits aspiration of the oral and pharyngeal cavities and a backup suction device which will function in the event of a

general power failure;

(e) An oxygen delivery system with adequate full face mask and appropriate connectors that is capable of delivering high flow oxygen to the patient under positive pressure, together with an adequate backup system;

(f) A nitrous oxide delivery system with a fail-safe mechanism that will insure appropriate continuous oxygen delivery and a scavenger system;

(g) A recovery area that has available oxygen, adequate lighting, suction and electrical outlets. The recovery area can be the operating room;

(h) Sphygmomanometer, precordial/pretracheal stethoscope or capnograph, pulse oximeter, automated external defibrillator (AED), oral and nasopharyngeal airways, laryngeal mask airways, intravenous fluid administration equipment; and

(i) Emergency drugs including, but not limited to: pharmacologic antagonists appropriate to the drugs used, vasopressors, corticosteroids, bronchodilators, antihistamines, antihypertensives and anticonvulsants.

(3) No permit holder shall have more than one person under deep sedation or conscious sedation at the same time.

(4) During the administration of deep sedation, and at all times while the patient is under deep sedation, an anesthesia monitor, and one other person holding a Health Care Provider BLS/CPR level certificate or its equivalent, shall be present in the operatory, in addition to the dentist performing the dental procedures.

(5) Before inducing deep sedation, a dentist who induces deep sedation shall:

(a) Evaluate the patient and document, using the American Society of Anesthesiologists *Patient Physical Status Classifications*, that the patient is an appropriate candidate for deep sedation;

(b) Give written preoperative and postoperative instructions to the patient or, when appropriate due to age or psychological status of the patient, the patient's guardian; and

(c) Obtain written informed consent from the patient or patient's guardian for the anesthesia.

(6) A patient under deep sedation shall be visually monitored at all times, including the recovery phase. The dentist or anesthesia monitor shall monitor and record the patient's condition.

(7) The patient shall be monitored as follows:

(a) Patients must have continuous monitoring using pulse oximetry. The patient's blood pressure, heart rate, and respiration shall be recorded at regular intervals but at least every 5 minutes, and these recordings shall be documented in the patient record. The record must also include documentation of

preoperative and postoperative vital signs, all medications administered with dosages, time intervals and route of administration. If this information cannot be obtained, the reasons shall be documented in the patient's record. A patient under deep sedation shall be continuously monitored;

(b) During the recovery phase, the patient must be monitored by an individual trained to monitor patients recovering from deep sedation.

(8) A dentist shall not release a patient who has undergone deep sedation except to the care of a responsible third party.

(9) The dentist shall assess the patient's responsiveness using preoperative values as normal guidelines and discharge the patient only when the following criteria are met:

(a) Vital signs including blood pressure, pulse rate and respiratory rate are stable;

(b) The patient is alert and oriented to person, place and time as appropriate to age and preoperative psychological status;

(c) The patient can talk and respond coherently to verbal questioning;

(d) The patient can sit up unaided;

(e) The patient can ambulate with minimal assistance; and

(f) The patient does not have uncontrollable nausea or vomiting and has minimal dizziness.

(10) A discharge entry shall be made by the dentist in the patient's record indicating the patient's condition upon discharge and the name of the responsible party to whom the patient was discharged.

(11) After adequate training, an assistant, when directed by a dentist, may introduce additional anesthetic agents to an infusion line under the direct visual supervision of a dentist.

(12) Permit renewal. In order to renew a Moderate Sedation/Deep Sedation Permit, the permit holder must provide documentation of having current ACLS or PALS certification and must complete 14 hours of continuing education in one or more of the following areas every two years: sedation, physical evaluation, medical emergencies, monitoring and the use of monitoring equipment, or pharmacology of drugs and agents used in sedation. Training taken to maintain current ACLS or PALS certification may be counted toward this requirement. Continuing education hours may be counted toward fulfilling the continuing education requirement set forth in OAR 818-021-0060.

[Publications: Publications referenced are available from the agency.]

## 818-026-0070

### General Anesthesia Permit

General anesthesia, deep sedation, moderate sedation, minimal sedation and nitrous oxide sedation.

(1) The Board shall issue a General Anesthesia Permit to an applicant who:

(a) Is a licensed dentist in Oregon,

(b) Holds a current Advanced Cardiac Life Support (ACLS) Certificate or Pediatric Advanced Life Support (PALS) Certificate, whichever is appropriate for the patient being sedated, and

(c) Satisfies one of the following criteria:

(A) Completion of an advanced training program in anesthesia and related subjects beyond the undergraduate dental curriculum that satisfies the requirements described in *the ADA Guidelines for Teaching Pain Control and Sedation to Dentists and Dental Students (2007) consisting of a minimum of 2 years of a postgraduate anesthesia residency* at the time training was commenced.

(B) Completion of any ADA accredited postdoctoral training program, including but not limited to Oral and Maxillofacial Surgery, which affords comprehensive and appropriate training necessary to administer and manage general anesthesia, commensurate with these Guidelines.

(C) In lieu of these requirements, the Board may accept equivalent training or experience in general anesthesia.

(2) The following facilities, equipment and drugs shall be on site and available for immediate use during the procedure and during recovery:

(a) An operating room large enough to adequately accommodate the patient on an operating table or in an operating chair and to allow an operating team of at least three individuals to freely move about the patient;

(b) An operating table or chair which permits the patient to be positioned so the operating team can maintain the patient's airway, quickly alter the patient's position in an emergency, and provide a firm platform for the administration of basic life support;

(c) A lighting system which permits evaluation of the patient's skin and mucosal color and a backup lighting system of sufficient intensity to permit completion of any operation underway in the event of a general power failure;

(d) Suction equipment which permits aspiration of the oral and pharyngeal cavities and a backup suction device which will function in the event of a general power failure;

(e) An oxygen delivery system with adequate full face mask and appropriate connectors that is capable of delivering high flow oxygen to the patient under positive pressure, together with an adequate backup system;

(f) A nitrous oxide delivery system with a fail-safe mechanism that will insure appropriate continuous oxygen delivery and a scavenger system;

(g) A recovery area that has available oxygen, adequate lighting, suction and electrical outlets. The recovery area can be the operating room;

(h) Sphygmomanometer, precordial/pretracheal stethoscope or capnograph, pulse oximeter, automated external defibrillator (AED), oral and nasopharyngeal airways, laryngeal mask airways, intravenous fluid administration equipment; and

(i) Emergency drugs including, but not limited to: pharmacologic antagonists appropriate to the drugs used, vasopressors, corticosteroids, bronchodilators, intravenous medications for treatment of cardiac arrest, narcotic antagonist, antihistaminic, antiarrhythmics, antihypertensives and anticonvulsants.

(3) No permit holder shall have more than one person under general anesthesia, deep sedation, moderate sedation, minimal sedation or nitrous oxide sedation at the same time.

(4) During the administration of deep sedation or general anesthesia, and at all times while the patient is under deep sedation or general anesthesia, an anesthesia monitor and one other person holding a Health Care Provider BLS/CPR level certificate, or its equivalent, shall be present in the operatory in addition to the dentist performing the dental procedures.

(5) Before inducing deep sedation or general anesthesia the dentist who induces deep sedation or general anesthesia shall:

(a) Evaluate the patient and document, using the *American Society of Anesthesiologists Patient Physical Status Classifications*, that the patient is an appropriate candidate for general anesthesia or deep sedation;

(b) Give written preoperative and postoperative instructions to the patient or, when appropriate due to age or psychological status of the patient, the patient's guardian; and

(c) Obtain written informed consent from the patient or patient's guardian for the anesthesia.

(6) A patient under deep sedation or general anesthesia shall be visually monitored at all times, including recovery phase. A dentist who induces deep sedation or general anesthesia or anesthesia monitor trained in monitoring patients under deep sedation or general anesthesia shall monitor and

record the patient's condition on a contemporaneous record.

(7) The patient shall be monitored as follows:

(a) Patients must have continuous monitoring of their heart rate, oxygen saturation levels and respiration. The patient's blood pressure, heart rate and oxygen saturation shall be assessed every five minutes, and shall be contemporaneously documented in the patient record. The record must also include documentation of preoperative and postoperative vital signs, all medications administered with dosages, time intervals and route of administration. The person administering the anesthesia and the person monitoring the patient may not leave the patient while the patient is under deep sedation or general anesthesia;

(b) During the recovery phase, the patient must be monitored, including the use of pulse oximetry, by an individual trained to monitor patients recovering from general anesthesia.

(8) A dentist shall not release a patient who has undergone deep sedation or general anesthesia except to the care of a responsible third party.

(9) The dentist shall assess the patient's responsiveness using preoperative values as normal guidelines and discharge the patient only when the following criteria are met:

(a) Vital signs including blood pressure, pulse rate and respiratory rate are stable;

(b) The patient is alert and oriented to person, place and time as appropriate to age and preoperative psychological status;

(c) The patient can talk and respond coherently to verbal questioning;

(d) The patient can sit up unaided;

(e) The patient can ambulate with minimal assistance; and

(f) The patient does not have nausea or vomiting and has minimal dizziness.

(10) A discharge entry shall be made in the patient's record by the dentist indicating the patient's condition upon discharge and the name of the responsible party to whom the patient was discharged.

(11) After adequate training, an assistant, when directed by a dentist, may introduce additional anesthetic agents to an infusion line under the direct visual supervision of a dentist.

(12) Permit renewal. In order to renew a General Anesthesia Permit, the permit holder must provide documentation of having current ACLS or PALS certification and complete 14 hours of continuing education in one or more of the following areas every two years: deep sedation and/or general anesthesia, physical evaluation, medical emergencies,

monitoring and the use of monitoring equipment, pharmacology of drugs and agents used in anesthesia. Training taken to maintain current ACLS or PALS certification may be counted toward this requirement. Continuing education hours may be counted toward fulfilling the continuing education requirement set forth in OAR 818-021-0060.

[Publications: Publications referenced are available from the agency.]

Stat. Auth.: ORS 679

Stats. Implemented: ORS 679.250(7) & 679.250(10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 6-1999, f. 6-25-99, cert. ef. 7-1-99; Administrative correction 8-12-99; OBD 2-2000(Temp), f. 5-22-00, cert. ef. 5-22-00 thru 11-18-00; Administrative correction 6-21-01; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

### **818-026-0080**

#### **Standards Applicable When a Dentist Performs Dental Procedures and a Qualified Provider Induces Anesthesia**

(1) A dentist who does not hold an anesthesia permit may perform dental procedures on a patient who receives anesthesia induced by a physician anesthesiologist licensed by the Oregon Board of Medical Examiners, another Oregon licensed dentist holding an appropriate anesthesia permit, or a Certified Registered Nurse Anesthetist (CRNA) licensed by the Oregon Board of Nursing.

(2) A dentist who does not hold a Nitrous Oxide Permit for nitrous oxide sedation may perform dental procedures on a patient who receives nitrous oxide induced by an Oregon licensed dental hygienist holding a Nitrous Oxide Permit.

(3) A dentist who performs dental procedures on a patient who receives anesthesia induced by a physician anesthesiologist, another dentist holding an anesthesia permit, a CRNA, or a dental hygienist who induces nitrous oxide sedation, shall hold a current and valid Health Care Provider BLS/CPR level certificate, or equivalent, and have the same personnel, facilities, equipment and drugs available during the procedure and during recovery as required of a dentist who has a permit for the level of anesthesia being provided.

(4) The qualified anesthesia provider who induces anesthesia shall monitor the patient's condition until the patient is discharged and record the patient's condition at discharge in the patient's dental record as required by the rules applicable to the level of anesthesia being induced. The anesthesia record shall be maintained in the patient's dental record and is the responsibility of the dentist who is

performing the dental procedures.

(5) A dentist who intends to use the services of a qualified anesthesia provider as described in section 1 above, shall notify the Board in writing of his/her intent. Such notification need only be submitted once every licensing period.

Stat. Auth.: ORS 679

Stats. Implemented: ORS 679.250(7) & (10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2006, f. 3-17-06, cert. ef. 4-1-06; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

### **818-026-0110**

#### **Office Evaluations**

(1) By obtaining an anesthesia permit or by using the services of a physician anesthesiologist, CRNA, an Oregon licensed dental hygienist or another dentist to administer anesthesia, a licensee consents to in-office evaluations by the Oregon Board of Dentistry, to assess competence in central nervous system anesthesia and to determine compliance with rules of the Board.

(2) The in-office evaluation shall include:

(a) Observation of one or more cases of anesthesia to determine the appropriateness of technique and adequacy of patient evaluation and care;

(b) Inspection of facilities, equipment, drugs and records; and

(c) Confirmation that personnel are adequately trained, hold current Health Care Provider Basic Life Support level certification, or its equivalent, and are competent to respond to reasonable emergencies that may occur during the administration of anesthesia or during the recovery period.

(3) The evaluation shall be performed by a team appointed by the Board and shall include:

(a) A permit holder who has the same type of license as the licensee to be evaluated and who holds a current anesthesia permit in the same class or in a higher class than that held by the licensee being evaluated,

(b) A member of the Board's Anesthesia Committee; and

(c) Any licensed dentist, deemed appropriate by the Board President, may serve as team leader and shall be responsible for organizing and conducting the evaluation and reporting to the Board.

(4) The Board shall give written notice of its intent to conduct an office evaluation to the licensee to be evaluated. Licensee shall cooperate with the evaluation team leader in scheduling the evaluation which shall be held no sooner than 30 days after the date of the notice or later than 90 days after the date

of the notice.

Stat. Auth.: ORS 679 & 680

Stats. Implemented: ORS 679.250(7) & (10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

### **818-026-0120**

#### **Reporting of Death, Serious Complications or Injury**

If a death, any serious complication or any injury occurs which may have resulted from the administration of any central nervous system anesthesia or sedation, the licensee performing the dental procedure must submit a written detailed report to the Board within five days of the incident along with the patient's original complete dental records. If the anesthetic agent was administered by a person other than the person performing the dental procedure, that person must also submit a detailed written report. The detailed report(s) must include:

(1) Name, age and address of patient;

(2) Name of the licensee and other persons present during the incident;

(3) Address where the incident took place;

(4) Type of anesthesia and dosages of drugs administered to the patient;

(5) A narrative description of the incident including approximate times and evolution of symptoms; and

(6) The anesthesia record and the signed informed consent form for the anesthesia when required.

Stat. Auth.: ORS 679 & ORS 680

Stats. Implemented: ORS 679.250(7) & 679.250(10)

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 6-1999, f. 6-25-99, cert. ef. 7-1-99; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10

### **818-026-0130**

#### **Anesthesia Committee**

(1) The Board hereby creates a committee to be known as the Anesthesia Committee. The chairperson shall be a dentist who is a member of the Board. All other members shall hold a Moderate, Deep Sedation or General Anesthesia Sedation Permit. At least one member, other than the chairperson, shall be a practicing specialist who holds a General Anesthesia Permit. Members serve at the pleasure of the Board and shall be appointed by the President of the Board. The Board President shall insure that the committee includes representatives of dental specialty groups including general dentists.

(2) The Anesthesia Committee shall, upon request of the Board, advise the Board on policies and procedures related to the regulation of general anesthesia, deep sedation, moderate sedation, minimal sedation and nitrous oxide sedation.

Stat. Auth.: ORS 679

Stats. Implemented: ORS 679.280

Hist.: OBD 2-1998, f. 7-13-98, cert. ef. 10-1-98; OBD 6-1999, f. 6-25-99, cert. ef. 7-1-99; Administrative correction 8-12-99; OBD 3-2003, f. 9-15-03, cert. ef. 10-1-03; OBD 1-2005, f. 1-28-05, cert. ef. 2-1-05; OBD 1-2010, f. 6-22-10, cert. ef. 7-1-10