

THE DENTAL SEDATION ASSISTANT PERMITHOLDER EXAMINATION PLAN

Patient Monitoring (40%) - This area assesses the candidate's ability to monitor patients undergoing conscious sedation or general anesthesia utilizing data from noninvasive instrumentation (i.e., pulse oximeters, electrocardiograms, capnography, blood pressure, pulse, and respiration rate monitoring devices) and visual signs and symptoms of patient's physiological functioning.

Job Task	Associated Knowledge Statements
Monitor patient by utilizing physical and clinical signs related to levels of anesthesia. (8%)	<ul style="list-style-type: none"> Knowledge of physical signs and symptoms of cardiovascular functions related to levels of anesthesia. Knowledge of physical signs and symptoms of respiratory functions related to levels of anesthesia. Knowledge of physical signs and symptoms of central and peripheral nervous system related to levels of anesthesia (i.e., levels of consciousness, etc.). Knowledge of physical signs and symptoms of metabolic functions related to levels of anesthesia. Knowledge of scope of practice and supervisory requirements related to monitoring a sedation patient.
Monitor patient by utilizing data from noninvasive devices related to levels of anesthesia. (32%)	Routine Physiological Changes (18%)
	<ul style="list-style-type: none"> Knowledge of noninvasive devices and data utilized to monitor cardiovascular functions related to levels of anesthesia (i.e., EKG, BP monitor, etc.). Knowledge of noninvasive devices and data utilized to monitor respiratory functions related to levels of anesthesia (i.e., pulse oximeter, capnography, precordial stethoscope, etc.). Knowledge of noninvasive devices and data utilized to monitor metabolic functions related to levels of anesthesia (i.e., capnography, etc.). Knowledge of scope of practice and supervisory requirements related to monitoring a sedation patient.
	Dental Sedation Emergencies and Complications (14%)
	<ul style="list-style-type: none"> Knowledge of physical signs and symptoms indicating complications or a medical emergency related to sedation (i.e., airway, respiratory, cardiovascular, neurological). (BPC p.186, (f)(1)) Knowledge of noninvasive device data indicating complications or a medical emergency. Knowledge of scope of practice and supervisory requirements related to monitoring a sedation patient.

Drug Identification and Draw (30%) - This area assesses the candidate's ability to identify and draw drugs, limited to identification of appropriate medications, ampule and vial handling in preparation for drug and medication draw, and withdrawing drugs of correct amount as verified by the supervising licensed dentist.

Job Task	Associated Knowledge Statements
Identify and verify drugs and medications ordered by the licensed provider. (20%)	<ul style="list-style-type: none"> Knowledge of overview (pharmacology, contraindications, adverse reactions and characteristics, etc.) of classes of drugs and medications used in contemporary sedation and general anesthesia. Knowledge of overview (pharmacology, contraindications, adverse reactions and characteristics, etc.) of classes of drugs and medications used in contemporary medical emergency treatment (i.e., reversal agents, oxygen, epinephrine, etc.). Knowledge of procedures to identify and verify drugs and medications ordered (i.e., expiration date, concentration, generic versus brand name, etc.). Knowledge of scope of practice and supervisory requirements related to identifying and verifying drugs.

Draw drugs and medications ordered by the licensed provider. (10%)	<ul style="list-style-type: none"> ▪ Knowledge of ampule and vial handling in preparation for drug and medication draw. ▪ Knowledge of techniques and measurement for drug and medication drawing and syringe labeling. ▪ Knowledge of characteristics of syringes and needles including use, types, gauges, lengths, and components. ▪ Knowledge of scope of practice and supervisory requirements related to drawing drugs and medications.
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Adding Drugs, Medications and Fluids to Intravenous Lines (22%) - This area assesses the candidate's ability to add drugs, medications, and fluids to intravenous lines using a syringe, provided that a supervising licensed dentist is present at the patient's chairside, limited to determining patency of intravenous line, selection of injection port, syringe insertion into injection port, occlusion of intravenous line and blood aspiration, line release and injection of drugs for appropriate time interval.

Job Task	Associated Knowledge Statements
Add drugs, medications, and fluids to intravenous lines using a syringe. (12%)	<ul style="list-style-type: none"> ▪ Knowledge of procedures and techniques for adding drugs, medications, and fluids to IV lines, including infusion and IV bolus, drug amounts and time intervals between doses. ▪ Knowledge of armamentaria for adding drugs, medications and fluids to IV lines (i.e., injection ports, syringe types, etc.). ▪ Knowledge of scope of practice and supervisory requirements related to administering drugs, medications and fluids.
Determine patency of intravenous line. (10%)	<ul style="list-style-type: none"> ▪ Knowledge of techniques to evaluate patency of IV lines. ▪ Knowledge of recognition and management of IV related complications (patency, air in line, etc.). ▪ Knowledge of armamentaria for IV set-ups, including types of fluid, IV lines, and connectors.

Removal of intravenous lines (8%) - This area assesses the candidate's ability to remove intravenous lines.

Job Task	Associated Knowledge Statements
Remove intravenous lines. (8%)	<ul style="list-style-type: none"> ▪ Knowledge of signs and symptoms of complications associated with IV site during removal. ▪ Knowledge of procedures (timing, indications, etc.) for the removal of IV lines.