

OKLAHOMA BOARD OF NURSING  
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**CRNA Inclusionary Formulary**

**To be granted authority to select, order, obtain and administer drugs**, Certified Registered Nurse Anesthetists (CRNAs) must hold a current Registered Nurse license, be recognized as a CRNA in Oklahoma and meet the continuing education requirements noted in the *Rules of the Oklahoma Board of Nursing*, specifically 485:10-18-2. Pursuant to 59 O.S. § 567.3a.10 [*Oklahoma Nursing Practice Act*], a CRNA is an Advanced Practice Registered Nurse who administers anesthesia in collaboration with a medical doctor, an osteopathic physician, a podiatric physician or a dentist licensed in this state and under conditions in which timely onsite consultation by such doctor, osteopath, podiatric physician or dentist is available. The Formulary Advisory Council has been established to develop and submit to the Board recommendations for an inclusionary formulary pursuant to 59 O.S. § 567.4b. [*Oklahoma Nursing Practice Act*].

Pursuant to 59 O.S. § 567.3a.10.h [*Oklahoma Nursing Practice Act*], “collaboration” means an agreement between a medical doctor, osteopathic physician, podiatric physician or dentist performing the procedure or directly involved with the procedure and the Certified Registered Nurse Anesthetist working jointly toward a common goal providing services for the same patient.

The following Board-approved *CRNA Inclusionary Formulary* lists drugs that may be ordered, selected, obtained or administered during the **perioperative** and **perioobstetrical** periods by CRNAs who have been granted authority by the Board to select, order, obtain, and administer drugs.

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**4:00 Antihistamine Drugs**

- 4:04 First Generation Antihistamines
  - Diphenhydramine Hydrochloride
  - Promethazine Hydrochloride (see also 28:24.92 and 28:16.08.24)

**12:00 Autonomic Drugs**

- 12:04 Parasympathomimetic (Cholinergic) Agents
  - Neostigmine Bromide
  - Physotigmine Salicylate
  - Pyridostigmine Bromide
- 12:08 Anticholinergic Agents
  - 12:08.08 Antimuscarinics/antispasmodics
    - Atropine
    - Glycopyrrolate
    - Ipratropium Bromide
    - Scopolomine

- 12:12 Sympathomimetic (Adrenergic) Agents
  - 12:12.04  $\alpha$ -Adrenergic Agents
    - Midodrine
    - Phenylephrine
  - 12:12.08  $\beta$ -Adrenergic Agonists
    - 12:12.08.04 Non-selective  $\beta$ -Adrenergic Agonists
      - Isoproterenol
    - 12:12.08.08 Selective  $\beta_1$ -Adrenergic Agonists
      - Dobutamine
      - Dopamine
    - 12:12.08.12 Selective  $\beta_2$ -Adrenergic Agonists
      - Albuterol/Levalbuterol
      - Formoterol
      - Indacaterol
      - Metaproterenol
      - Salmeterol
      - Terbutaline Sulfate
  - 12:12.12  $\alpha$ - and  $\beta$ -Adrenergic Agonists
    - Ephedrine
    - Epinephrine
    - Norepinephrine
    - Pseudoephedrine
- 12:16 Sympatholytic (Adrenergic Blocking) Agents
  - 12:16.04  $\alpha$ -Adrenergic Blocking Agents
    - 12:16.04.04 Non-selective  $\alpha$ -Adrenergic Blocking Agents
      - Phentolamine
- 12:20 Skeletal Muscle Relaxants (all intravenous future new drugs approved)
  - 12:20.04 Centrally Acting Skeletal Muscle Relaxants
    - Carisoprodol
    - Cyclobenzaprine
    - Metaxalone
    - Methocarbamol
    - Tizanidine
  - 12:20.08 Direct-acting Skeletal Muscle Relaxants
    - Dantrolene Sodium
  - 12:20.12 GABA-derivative Skeletal Muscle Relaxants
    - Baclofen
  - 12:20.20 Neuromuscular Blocking Agents
    - Atracurium Besylate
    - Cisatracurium
    - Pancuronium Bromide
    - Rocuronium Bromide
    - Succinylcholine Chloride
    - Vecuronium Bromide

**16:00 Blood Derivatives**

Albumin Human  
Plasma Protein Fraction

**Blood and Blood Components (not in AHFS)**

**20:00 Blood Formation, Coagulation, and Thrombosis**

- 20:12 Antithrombotic Agents
  - 20:12.04 Anticoagulants
    - 20:12.04.12 Direct Thrombin Inhibitors
      - Bivalirudin
    - 20:12.04.16 Heparins
      - Enoxaparin
      - Heparin
  - 20:28 Antihemorrhagic Agents
    - 20:28.08 Antiheparin Agents
      - Protamine Sulfate
    - 20:28.16 Hemostatics
      - Aminocaproic Acid
      - Tranexamic Acid (TXA) (not in AHFS)
    - 20:28.92 Antihemorrhagic Agents, Misc.
      - Idarucizumab
      - Andexanet Alfa

**24:00 Cardiovascular Drugs**

- 24:04 Cardiac Drugs
  - 24:04.04 Antiarrhythmic Agents
    - 24:04.04.04 Class Ia Antiarrhythmics
      - Disopyramide
      - Procainamide
      - Quinidine
    - 24:04.04.08 Class Ib Antiarrhythmics
      - Lidocaine
    - 24:04.04.20 Class III Antiarrhythmics
      - Amiodarone
    - 24:04.04.24 Class IV Antiarrhythmics
      - Adenosine
  - 24:04.08 Cardiotonic Agents
    - Digoxin
- 24:08 Hypotensive Agents
  - 24:08.16 Central  $\alpha$ -Agonists
    - Clonidine
    - Methyldopa
  - 24:08.20 Direct Vasodilators
    - Hydralazine
    - Sodium Nitroprusside

- 24:12 Vasodilating Agents
  - 24:12.08 Nitrates and Nitrites
    - Nitroglycerine
- 24:24 β-Adrenergic Blocking Agents
  - Atenolol
  - Esmolol Hydrochloride
  - Labetalol
  - Metoprolol
  - Nadolol
  - Propranolol
- 24:28 Calcium-Channel Blocking Agents
  - 24:28.08 Dihydropyridines
    - Nicardipine
    - Nifedipine
  - 24:28.92 Calcium-Channel Blocking Agents, Miscellaneous
    - Verapamil
- 24:32 Renin-Angiotensin-Aldosterone System Inhibitors
  - 24:32.04 Angiotensin-Converting Enzyme Inhibitors
    - Captopril
    - Enalaprilat/Enalapril

## **28:00 Central Nervous System Agents**

- 28:04 General Anesthetics (all in this class approved including future new drugs)
  - 28:04.04 Barbiturates
    - Methohexital
  - 28:04.16 Inhalation Anesthetics (not in AHFS)
  - 28:04.92 General Anesthetics, Miscellaneous
    - Etomidate
    - Ketamine (not in AHFS)
    - Fospropofol
    - Propofol
- 28:08 Analgesics and Antipyretics
  - 28:08.04 Nonsteroidal Antiinflammatory Agents
    - 28:08.04.08 Cyclooxygenase-2 (COX-2) Inhibitors
      - Celecoxib
    - 28:08.04.24 Salicylates
      - Aspirin
    - 28:08.04.92 Other Nonsteroidal Anti-inflammatory Agents
      - Ibuprofen (PO or IV)
      - Indomethacin
      - Ketorolac
      - Meloxicam
  - 28:08.08 Opiate Agonists (all in this class approved including future new drugs)
    - Codeine
    - Fentanyl
    - Hydrocodone

- Hydromorphone
- Levorphanol
- Meperidine
- Morphine
- Remifentanil
- Sufentanil Citrate
- Tramadol
- 28:08.12 Opiate Partial Agonists (all in this class approved including future new drugs)
  - Buprenorphine
  - Butorphanol
  - Nalbuphine
- 28:08.92 Analgesics and Antipyretic, Miscellaneous
  - Acetaminophen (PO or IV)
  - Sodium Thiosalicylate
- 28:10 Opiate Antagonists (all in this class approved including future new drugs)
  - Nalmefene
  - Naloxone
  - Naltrexone
- 28:12 Anticonvulsants
  - 28:12.04 Barbituates
    - Phenobarbital
  - 28:12.08 Benzodiazepines
    - Clonazepam (see also 28:24.08)
  - 28:12.12 Hydantoins
    - Ethotoin
    - Fosphenytoin
    - Phenytoin
  - 28:12.92 Anticonvulsants, Miscellaneous
    - Carbamazepine
    - Felbamate
    - Gabapentin
    - Lamotrigine
    - Magnesium Sulfate
    - Valproate/Divalproex
- 28:16 Psychotherapeutic Agents
  - 28:16.08 Antipsychotics
    - 28:16.08.04 Atypical Antipsychotics
    - 28:16.08.08 Butyrophenones
      - Haloperidol
    - 28:16.08.24 Phenothiazines
      - Perphenazine
      - Prochlorperazine
- 28:20 Anorexigenic Agents and Respiratory and CNS Stimulants

- 28:20.32 Respiratory and CNS Stimulants
  - Caffeine/Caffeine and Sodium Benzoate
  - Doxapram
- 28:24 Anxiolytics, Sedatives, and Hypnotics
  - 28:24.04 Barbiturates (all in this class approved including future new drugs)
    - Phenobarbital
  - 28:24.08 Benzodiazepines (all in this class approved including future new drugs)
    - Alprazolam
    - Chlordiazepoxide
    - Diazepam
    - Lorazepam
    - Midazolam
    - Remimazolam
    - Temazepam
  - 28:24.92 Anxiolytics, Sedatives, and Hypnotics, Miscellaneous
    - Dexmedetomidine
    - Hydroxyzine
    - Promethazine
- 28:36 Antiparkinsonian Agents
  - 28:36.08 Anticholinergic Agents
    - Benzotropine Mesylate
- 28:92 Central Nervous System Agents, Miscellaneous
  - Flumazenil

### **36:00 Diagnostic Agents**

- 36:40 Kidney Function
  - Indigo Carmine (Indigotindisulfonate)
- 36:56 Myasthenia Gravis
  - Edrophonium Chloride

### **40:00 Electrolytic, Caloric, and Water Balance**

- 40:08 Alkalinizing Agents
  - Citrates (i.e., potassium citrate and citric acid, sodium citrate and citric acid, tricitrates)
  - Sodium Bicarbonate
  - Sodium Lactate
- 40:12 Replacement Preparations
  - Calcium Salts
  - Dextran 40
  - Electrolyte Solutions
  - Hetastarch
  - Potassium Supplements
  - Sodium Chloride
- 40:20 Caloric Agents
  - Dextrose
  - Invert Sugar

40:24 Salt and Sugar Substitutes (not in AHFS)

40:28 Diuretics

40:28.08 Loop Diuretics

Bumetanide

Furosemide

40:28.12 Osmotic Diuretics

Mannitol

40:28.20 Thiazide Diuretics

Chlorothiazide

**48:00 Respiratory Tract Agents** (all in this class approved including future new drugs)

48:08 Antitussives

Benzonatate

Codeine

Dextromethorphan

Hydrocodone

48:16 Expectorants

Guaifenesin

Potassium Iodide (see also 68:36.08)

48:24 Mucolytic Agents

Acetylcysteine (see also 92:12)

**52:00 Eye, Ear, Nose, and Throat (EENT) Preparations**

52:16 Local Anesthetics

Benzocaine

Dyclonine

Proparacaine

Tetracaine

52:32 Vasoconstrictors

Epinephrine

Naphazoline

Oxymetazoline

Phenylephrine

Propylhexedrine

Tetrahydrozoline

52:40 Antiglaucoma Agents

52:40.12 Carbonic Anhydrase Inhibitors

Acetazolamide

**56:00 Gastrointestinal Drugs**

56:04 Antacids and Adsorbents

Aluminum Carbonate

Aluminum Hydroxide

Aluminum Phosphate

Antacids

Calcium Carbonate

- Charcoal, Activated
- Dihydroxyaluminum Aminoacetate
- Dihydroxyaluminum Sodium Carbonate
- Magaldrate
- Magnesium Carbonate
- Magnesium Hydroxide
- Magnesium Oxide
- Magnesium Trisilicate
- Sodium Bicarbonate
- 56:22 Antiemetics
  - 56:22.08 Antihistamines
    - Dimenhydrinate
    - Meclizine
    - Prochlorperazine
    - Trimethobenzamide
  - 56:22.20 5-HT<sub>3</sub> Receptor Antagonists
    - Dolasetron
    - Granisetron
    - Ondansetron
  - 56:22.92 Antiemetics, Miscellaneous
    - Amisulpride
- 56:28 Antiulcer Agents and Acid Suppressants
  - 56:28.12 Histamine H<sub>2</sub>-Antagonists
    - Cimetidine
    - Famotidine
    - Nizatidine
  - 56:28.32 Protectants
    - Sucralfate
  - 56:28.36 Proton-pump Inhibitors
    - Dexlansoprazole
    - Esomeprazole
    - Lansoprazole
    - Omeprazole
    - Pantoprazole
    - Rabeprazole
- 56:32 Prokinetic Agents
  - Metoclopramide

**68:00 Hormones and Synthetic Substitutes**

- 68:04 Adrenals (all in this class approved including future new drugs)
  - Beclomethasone
  - Betamethasone
  - Cortisone Acetate
  - Dexamethasone
  - Fludrocortisone
  - Flunisolide



- Hydrocortisone
- Methylprednisolone
- Prednisolone
- Prednisone
- Triamcinolone
- 68:20 Antidiabetic Agents
  - 68:20.08 Insulins
    - 68:20.08.04 Rapid-acting Insulins
      - Insulin Aspart
      - Insulin Glulisine
      - Insulin Lispro
    - 68:20.08.08 Short-acting Insulins
      - Insulin Human
      - Insulin Isophane (not in AHFS)
    - 68:20.08.16 Long-acting Insulins
      - Insulin Glargine
  - 68:20.20 Sulfonylureas
    - Chlorpropamide
    - Glimepiride
    - Glipizide
    - Glyburide
    - Tolazamide
    - Tolbutamide
- 68:22 Antihypoglycemic Agents
  - 68:22.12 Glycogenolytic Agents
    - Glucagon
- 68:28 Pituitary
  - Corticotropin
  - Desmopressin
  - Vasopressin
- 68:44 Renin-Angiotensin-Aldosterone System (RAAS)
  - Angiotensin II (not in AHFS)

**72:00 Local Anesthetics** (all in this class approved including future new drugs)

- Articaine
- Bupivacaine
- Chloroprocaine
- Lidocaine
- Mepivacaine
- Prilocaine
- Procaine (not in AHFS)
- Ropivacaine (not in AHFS)
- Tetracaine

**76:00 Oxytocics**

- Carboprost Tromethamine

Dinoprostone  
Ergonovine/Methergonovine  
Oxytocin  
Sodium Chloride 20% Injection  
Urea 40-50% Injection

**84:00 Skin and Mucous Membrane Agents**

84:04 Anti-infective

84:04.92 Local Anti-Infectives, Miscellaneous  
Chlorhexidine gluconate

84:08 Antipruritics and Local Anesthetics (all in this class approved including future new drugs)

Benzocaine  
Dibucaine  
Doxepin  
Ethyl Chloride  
Phenazopyridine  
Pramoxine

**86:00 Smooth Muscle Relaxants**

86:16 Respiratory Smooth Muscle Relaxants

Aminophylline  
Theophyllines

**92:00 Miscellaneous Therapeutic Agents**

92:12 Antidotes

Acetylcysteine  
Methylene Blue  
Sugammadex

**[NOTE: ACLS Algorithm medications are listed according to the classification system in the AHFS Drug Information resource.]**

**Regulatory Authority:**

59 O.S. §567.4b.

**Reference:**

American Hospital Formulary Service®. *AHFS Drug Information* (2021). Published by Authority of the Board of the American Society of Health-System Pharmacists®, Bethesda, MD.