

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 Formulary Advisory Council has been established to develop and submit to the Board recommendations for an inclusionary formulary.

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

4:00 Antihistamine Drugs

4:04 First Generation Antihistamines

Diphenhydramine Hydrochloride

Promethazine Hydrochloride (see also 28:24.92 and 28:16.08.24) **[CAUTION:**

Be aware of pediatric restrictions (Not to be administered to children under the age of two years).]

[CAUTION: Be aware of the FDA Boxed Warning on IV use (limit the drug's concentration and rate of administration and ensure a properly functioning intravenous line).]

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 α -Adrenergic Agents

Midodrine*

Phenylephrine

12:12.08 β -Adrenergic Agonists

12:12.08.04 Non-selective β -Adrenergic Agonists

Isoproterenol

- 12:12.08.08 Selective β_1 -Adrenergic Agonists
 - Dobutamine
 - Dopamine
- 12:12.08.12 Selective β_2 -Adrenergic Agonists
 - Albuterol/Levalbuterol
 - Formoterol
 - Metaproterenol*
 - Salmeterol
 - Terbutaline Sulfate
 - Indacaterol
- 12:12.12 α - and β -Adrenergic Agonists
 - Ephedrine
 - Epinephrine
 - Metaraminol*
 - Norepinephrine
 - Pseudoephedrine
- 12:16 Sympatholytic (Adrenergic Blocking) Agents
 - 12:16.04 α -Adrenergic Blocking Agents
 - 12:16.04.04 Non-selective α -Adrenergic Blocking Agents
 - Phentolamine
- 12:20 Skeletal Muscle Relaxants (all intravenous future new drugs approved)
 - 12:20.08 Direct-acting Skeletal Muscle Relaxants
 - Dantrolene Sodium
 - 12:20.20 Neuromuscular Blocking Agents
 - Atracurium Besylate
 - Pancuronium Bromide
 - Rocuronium Bromide
 - Succinylcholine Chloride
 - Vecuronium Bromide
 - Cisatracurium

16:00 Blood Derivatives

- Albumin Human
- Plasma Protein Fraction*

Blood and Blood Components (not in AHFS)

20:00 Blood Formation and Coagulation

- 20:12 Antithrombotic Agents
 - 20:12.04 Anticoagulants
 - 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

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 α -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**

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

28:08.08 Opiate Agonists (all in this class approved including future new drugs)

Codeine*** **[NOTE: Be aware of PEDIATRIC CAUTION, FDA Drug safety communication new Boxed Warning on use after tonsillectomy or adenoidectomy 2/20/2013]*****

Fentanyl

Hydrocodone

Hydromorphone

Levorphanol*

Meperidine

Morphine

Remifentanyl*

Sufentanyl 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
 - 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
 - Prochlorperazine
 - Perphenazine*
- 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
 - Temazepam*
 - 28:24.92 Anxiolytics, Sedatives, and Hypnotics, Miscellaneous
 - Dexmedetomidine*
 - Hydroxyzine
 - Promethazine
- 28:36 Antiparkinsonian Agents
 - 28:36.08 Anticholinergic Agents
 - Benztropine 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
Citrate Salts
Sodium Bicarbonate
Sodium Lactate*
- 40:12 Replacement Preparations
Calcium Salts
Dextran 40*
Dextran75 (not in AHFS) **[CAUTION: Potential complication of anaphylactic reaction to Dextran 75]**

Electrolyte Solutions*
Hetastarch **[CAUTION: Potential complication of anaphylactic reaction to Hetastarch in patients allergic to corn] [AVOID use with renal compromised patients]**

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*
Tetrahydrolozine*

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-HT₃ Receptor Antagonists

Dolasetron
Granisetron
Ondansetron

56:22.92 Antiemetics, Miscellaneous

Aprepitant/Fosaprepitant

56:28 Antiulcer Agents and Acid Suppressants

56:28.12 Histamine H2-Antagonists

Cimetidine*

Famotidine

Nizatidine*

Ranitidine

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

Insulin Aspart

Insulin Glargine

Insulin Human

Insulin, Isophane (not in AHFS)

Insulin Lispro

Insulin Zinc*

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

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

92:92 Other Miscellaneous Therapeutic Agents
Adenosine Phosphate* (not in AHFS)

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

Regulatory Authority:

59 O.S. §567.4b. C.

Reference:

American Hospital Formulary Service®. *AHFS Drug Information* (2017). Published by Authority of the Board of the American Society of Health-System Pharmacists®, Bethesda, MD.

*Omitted from the print version of *AHFS Drug Information* because of space limitations, as stated by the publisher. May view the AHFS Drug Information website:

<http://www.ahfsdruginformation.com>

**Reference for Ketamine: <http://reference.medscape.com/drug/ketalar-ketamine-343099>

*** Reference for Codeine precautions: <http://www.fda.gov/Drugs/DrugSafety/ucm339112.htm>