

OKLAHOMA BOARD OF NURSING  
2915 North Classen Boulevard, Suite 524  
Oklahoma City, OK 73106  
405-962-1800

**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.

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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) **[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  $\alpha$ -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
  - Metaproterenol\*
  - Salmeterol
  - Terbutaline Sulfate
  - Indacaterol
- 12:12.12  $\alpha$ - and  $\beta$ -Adrenergic Agonists
  - Ephedrine
  - Epinephrine
  - Metaraminol\*
  - 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)
  - 12:20.08 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 (TXA)  
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  $\alpha$ -Agonists
    - Clonidine
    - Methyldopa
  - 24:08.20 Direct Vasodilators
    - Hydralazine
    - Sodium Nitroprusside
- 24:12 Vasodilating Agents
  - 24:12.08 Nitrates and Nitrites
    - Nitroglycerine
- 24:24  $\beta$ -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-HT<sub>3</sub> 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\*

**[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* (2016). 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/ucm313631.htm>