

South Dakota Scope of Practice Guide
for
Emergency Medical Services Personnel
EMR, EMT, EMT I/85, EMT-A, EMT I/99, Paramedic

Approved by the
South Dakota Board of Medical & Osteopathic Examiners
Implemented: June 14, 2018
Revised: June 20, 2024

The following organizations were used as a reference and guide in the writing and approval of this document:

1. American College of Emergency Physicians
<https://www.acep.org/>
2. National Association of EMS Physicians
<https://naemsp.org/>
3. National Registry of Emergency Medical Technicians
<https://www.nremt.org/>

Table of Contents

Introduction	Page 2
Scope of Practice	
Emergency Medical Responder	Page 3
Emergency Medical Technician	Page 5
Emergency Medical Technician -Intermediate/85	Page 7
Emergency Medical Technician -Advanced	Page 10
Emergency Medical Technician -Intermediate/99	Page 13
Paramedic	Page 17
All Levels	Page 22

This booklet contains the scopes of practice for emergency medical services personnel (EMS) in South Dakota. In order to work at any level of EMS, the individual must be licensed by the South Dakota Board of Medical and Osteopathic Examiners (SDBMOE). All EMS training programs must be approved in advance by the SDBMOE.

A South Dakota licensed physician medical director may limit the scope of practice/skills for any level of EMS personnel; however, the physician medical director may not expand the scope. All changes to any of the scopes of practice or skills must be approved in advance by the SDBMOE.

The six EMS license levels are as follows:

- emergency medical responder
- emergency medical technician
- emergency medical technician-intermediate/85 (I/85)
- emergency medical technician-advanced (EMT-A)
- emergency medical technician-intermediate/99 (I/99)
- paramedic

The scope of practice for each level is part of a sequence that starts with the scope of an emergency medical technician (EMT). Then, each ALS license level is built upon the knowledge, skills, and competencies of the lower levels:

- the I/85 must meet all of the competencies of an EMT, as well as those specific to the entry level I/85
- an EMT-A must meet all of the competencies of an EMT, and the I/85, as well as those specific to entry-level EMT-A
- an I/99 must meet all of the competencies of the EMT, I/85, and EMT-A, as well as those specific to entry –level I/99
- an EMT-P must meet all of the competencies of the EMT, I/85, EMT-A, and I/99, as well as those specific to entry –level Paramedic

EMS personnel shall be supervised by a physician who directs and reviews the work records and practice permitted by §§ 36-4B-15, to ensure that the patient is given proper treatment. If the ambulance service has an approved hardship waiver on file with the SD EMS office, the EMS personnel of that ambulance service may be supervised by a SD licensed nurse practitioner or SD licensed physician assistant.

South Dakota paramedic licensees can request the critical care endorsement, if they meet the statutory requirement of 36-4B-18.1, by following these instructions:

- Send email with information i, ii, and iii below to sdbmoe@state.sd.us
 - i. **Subject Line of Email** your: First Name Last Name Critical Care Endorsement
 - ii. **Attach a copy** of your completion certificate from the International Board of Specialty Certification
 - iii. Put this **message in body** of Email: “I am certified as a critical care paramedic or flight paramedic by the International Board of Specialty Certification. Please add this to my file.”

EMR Scope of Practice
Airway / Ventilation / Oxygenation
Airway - Mouth-to-Mouth
Airway - Mouth-to-Barrier
Airway - Mouth-to-Mask
Airway - Mouth-to-Nose
Airway - Mouth-to-Stoma
Airway - Nasopharyngeal
Airway - Oropharyngeal
Airway - Supraglottic Airway Device
Airway Obstruction - Manual
Head-Tilt / Chin-Lift
Jaw-Thrust
Jaw-Thrust - Modified
Bag Valve Mask (BVM)
Chest Seal
Manual Airway Maneuvers
Oxygen Therapy - Nasal Cannula
Oxygen Therapy - Non-Rebreather Mask
Oxygen Therapy - Simple Face Mask & Partial NRB
Pulse Oximetry
Assessment Skills / Miscellaneous
Perform Patient Assessments
Obtain Vital Signs Manually or Electronically
Obtain Temperature
Assisted Delivery (Childbirth)
Eye Irrigation (Non Invasive)
Cardiovascular / Circulation
Cardiopulmonary Resuscitation (CPR)
Use of mechanical CPR Assist Devices
Defibrillation - AED
Hemorrhage Control Products
Hemorrhage Control - Direct Pressure
Hemorrhage Control - Pressure Point
Hemorrhage Control - Tourniquet

Trauma Care
Spinal immobilization - Cervical Collar
Spinal Immobilization - Long Board
Spinal Immobilization - Manual Stabilization
Spinal Immobilization - Seated Patient (KED, etc.)
Splinting - Manual
Splinting - Rigid
Splinting - Soft
Splinting - Vacuum
Emergency Moves for Endangered Patient
Rapid Extrication of Patient
May Assist Patient with Patient Prescription
Oral Glucose (Insta-Glucose)
Medication Administration Routes
Auto-Injector or Nasal Spray
Buccal (Cheek or Gum)
Oral (PO)
Medication List
Epinephrine 0.15mg Auto Injector (Epi-Pen Jr)
Epinephrine 0.3mg Auto Injector (Epi-Pen)
Epinephrine 1:1,000 Draw & Inject (from single dose vial for Anaphylaxis)
MARK I Kit (or alternative): Use of unit dose commercially pre-filled containers or auto injectors for the administration of life saving medications intended for self, peer, or patient rescue after exposure to nerve agents(s)
Naloxone Hydrochloride (Narcan) Auto Injector or Nasal Spray Route
Oral Glucose (Insta-Glucose)
Oxygen

EMT Scope of Practice
Airway / Ventilation / Oxygenation
Airway - Mouth-to-Mouth
Airway - Mouth-to-Barrier
Airway - Mouth-to-Mask
Airway - Mouth-to-Nose
Airway - Mouth-to-Stoma
Airway - Nasopharyngeal
Airway - Oropharyngeal
Airway - Supraglottic Airway Device
Airway Obstruction - Manual
Head-Tilt / Chin-Lift
Jaw-Thrust
Jaw-Thrust - Modified
Bag Valve Mask (BVM)
CPAP
Capnography - End Tidal CO2 Monitoring
Chest Seal
Cricoid Pressure (Sellick)
Manual Airway Maneuvers
Oxygen Therapy - Tracheal Tube
Oxygen Therapy - Nasal Cannula
Oxygen Therapy - Non-Rebreather Mask
Oxygen Therapy - Simple Face Mask & Partial NRB
Oxygen Therapy - Venturi Mask
Oxygen Therapy - Humidified
Pulse Oximetry
Suctioning - Upper Airway (soft & rigid)
Ventilators - Automated Transport Ventilator
Assessment Skills / Miscellaneous
Perform Patient Assessments
Obtain Vital Signs Manually or Electronically
Pulse Oximetry
Obtain Temperature
Obtain & Measure Blood Glucose
Assisted Delivery (Childbirth)
Eye Irrigation (Non Invasive)
Patient Physical Restraint Application
Cardiovascular / Circulation
12, 15, or 18 Lead EKG transmission (Mission LifeLine)
Cardiopulmonary Resuscitation (CPR)
Use of mechanical CPR Assist Devices
Defibrillation - AED
Hemorrhage Control Products
Hemorrhage Control - Direct Pressure

Hemorrhage Control - Pressure Point
Hemorrhage Control - Tourniquet
Trauma Care
Spinal immobilization - Cervical Collar
Spinal Immobilization - Long Board
Spinal Immobilization - Manual Stabilization
Spinal Immobilization - Seated Patient (KED, etc.)
Spine Motion Restriction
Splinting - Manual
Splinting - Pelvic Wrap / PASG (Only used for Splinting)
Splinting - Rigid
Splinting - Soft
Splinting - Traction
Splinting - Vacuum
Emergency Moves for Endangered Patient
Rapid Extrication of Patient
May Assist Patient with Patient Prescription
Inhaler
Nitroglycerin
Medication Administration Routes
Aerosolized
Auto-Injector or Nasal Spray
Buccal (Cheek or Gum)
Oral (PO)
Sublingual (SL)
Intramuscular (IM)
Medication List
Active Charcoal (EZ-Char, Actidose, Liqui-Char)
Asprin (ASA)
Epinephrine 0.15mg Auto Injector (Epi-Pen Jr)
Epinephrine 0.3mg Auto Injector (Epi-Pen)
Epinephrine 1:1,000 Draw & Inject (from single dose vial for Anaphylaxis)
MARK I Kit (or alternative): Use of unit dose commercially pre-filled containers or auto injectors for the administration of life saving medications intended for self, peer, or patient rescue after exposure to nerve agents(s)
Naloxone Hydrochloride (Narcan) Auto Injector or Nasal Spray Route
Oral Glucose (Insta-Glucose)
Oxygen

EMS Scope of Practice

All changes to any of the scope of practice or skills must be approved by the SDBMOE.

EMT-I/85 Scope of Practice

Airway / Ventilation / Oxygenation

Airway - Mouth-to-Mouth

Airway - Mouth-to-Barrier

Airway - Mouth-to-Mask

Airway - Mouth-to-Nose

Airway - Mouth-to-Stoma

Airway - Nasopharyngeal

Airway - Oropharyngeal

Airway - Supraglottic Airway Device

Airway Obstruction - Manual

Head-Tilt / Chin-Lift

Jaw-Thrust

Jaw-Thrust - Modified

Bag Valve Mask (BVM)

CPAP

Capnography - End Tidal CO2 Monitoring

Chest Seal

Cricoid Pressure (Sellick)

Manual Airway Maneuvers

Oxygen Therapy - Tracheal Tube

Oxygen Therapy - Nebulizer

Oxygen Therapy - Nasal Cannula

Oxygen Therapy - Non-Rebreather Mask

Oxygen Therapy - Simple Face Mask & Partial NRB

Oxygen Therapy - Venturi Mask

Oxygen Therapy - Humidified

Pulse Oximetry

Suctioning - Upper Airway (soft & rigid)

Ventilators - Automated Transport Ventilator

Assessment Skills / Miscellaneous

Perform Patient Assessments

Obtain Vital Signs Manually or Electronically

Pulse Oximetry

Obtain Temperature

Obtain & Measure Blood Glucose

Assisted Delivery (Childbirth)

Eye Irrigation (Non Invasive)

Patient Physical Restraint Application

Venous Blood Sampling (Obtaining)

Cardiovascular / Circulation
12, 15, or 18 Lead EkG transmission (Mission LifeLine)
Cardiopulmonary Resuscitation (CPR)
Use of mechanical CPR Assist Devices
Defibrillation - AED
Hemorrhage Control Products
Hemorrhage Control - Direct Pressure
Hemorrhage Control - Pressure Point
Hemorrhage Control - Tourniquet
Trauma Care
Spinal immobilization - Cervical Collar
Spinal Immobilization - Long Board
Spinal Immobilization - Manual Stabilization
Spinal Immobilization - Seated Patient (KED, etc.)
Spine Motion Restriction
Splinting - Manual
Splinting - Pelvic Wrap / PASG (Only used for Splinting)
Splinting - Rigid
Splinting - Soft
Splinting - Traction
Splinting - Vacuum
Emergency Moves for Endangered Patient
Rapid Extrication of Patient
May Assist Patient with Patient Prescription
Inhaler
Nitroglycerin
Medication Administration Routes
Aerosolized
Auto-Injector
Buccal
Intramuscular (IM)
Intranasal (IN)
Intravenous (IV)
Oral (PO)
Sublingual (SL)
Initiation / Maintenance / Fluids
Non-Medicated IV Fluids
Crystalloid IV Solution
Hypertonic Dextrose IV Solution
IV Pump (85 and A: approved IV solutions only)
Peripheral
Saline Lock

Medication List
Activated Charcoal (EZ-Char, Actidose, Liqui-Char)
Aspirin (ASA)
Dextrose (Glucose, D50, D25, D10)
Epinephrine 0.15mg Auto Injector (Epi-Pen Jr)
Epinephrine 0.3mg Auto Injector (Epi-Pen)
Epinephrine 1:1,000 Draw & Inject (from single dose vial for Anaphylaxis)
MARK I Kit (or alternative): Use of unit dose commercially pre-filled containers or auto injectors for the administration of life saving medications intended for self, peer, or patient rescue after exposure to nerve agents(s)
Naloxone Hydrochloride (Narcan) Auto Injector or Nasal Spray Route
Oral Glucose
Oxygen
IV Solutions
Lactated Ringers (LR)
5% Dextrose in Water (D5W)
0.9% Sodium Chloride (Normal Saline)

EMS Scope of Practice

All changes to any of the scope of practice or skills must be approved by the SDBMOE.

EMT-A Scope of Practice

Airway / Ventilation / Oxygenation

Airway - Mouth-to-Mouth

Airway - Mouth-to-Barrier

Airway - Mouth-to-Mask

Airway - Mouth-to-Nose

Airway - Mouth-to-Stoma

Airway - Nasopharyngeal

Airway - Oropharyngeal

Airway - Supraglottic Airway Device

Airway Obstruction - Manual

Head-Tilt / Chin-Lift

Jaw-Thrust

Jaw-Thrust - Modified

Bag Valve Mask (BVM)

CPAP

Capnography - End Tidal CO2 Monitoring

Chest Seal

Cricoid Pressure (Sellick)

Manual Airway Maneuvers

Oxygen Therapy - Tracheal Tube

Oxygen Therapy - Nebulizer

Oxygen Therapy - Nasal Cannula

Oxygen Therapy - Non-Rebreather Mask

Oxygen Therapy - Simple Face Mask & Partial NRB

Oxygen Therapy - Venturi Mask

Oxygen Therapy - Humidified

Pulse Oximetry

Suctioning - Upper Airway (soft & rigid)

Suctioning - Tracheobronchial

Ventilators - Automated Transport Ventilator

Assessment Skills / Miscellaneous

Perform Patient Assessments

Obtain Vital Signs Manually or Electronically

Pulse Oximetry

Obtain Temperature

Obtain & Measure Blood Glucose

Assisted Delivery (Childbirth)

Eye Irrigation (Non Invasive)

Patient Physical Restraint Application

Venous Blood Sampling (Obtaining)

Cardiovascular / Circulation
12, 15, or 18 Lead EkG transmission (Mission LifeLine)
Cardiopulmonary Resuscitation (CPR)
Use of mechanical CPR Assist Devices
Defibrillation - AED
Hemorrhage Control Products
Hemorrhage Control - Direct Pressure
Hemorrhage Control - Pressure Point
Hemorrhage Control - Tourniquet
Trauma Care
Spinal immobilization - Cervical Collar
Spinal Immobilization - Long Board
Spinal Immobilization - Manual Stabilization
Spinal Immobilization - Seated Patient (KED, etc.)
Spine Motion Restriction
Splinting - Manual
Splinting - Pelvic Wrap / PASG (Only used for Splinting)
Splinting - Rigid
Splinting - Soft
Splinting - Traction
Splinting - Vacuum
Emergency Moves for Endangered Patient
Rapid Extrication of Patient
Medication Administration Routes
Aerosolized
Auto-Injector or Nasal Spray
Buccal
Intramuscular (IM)
Intranasal (IN)
Intraosseous (IO)
Intravenous (IV)
Intravenous - Push/Bolus
Inhaled - Self-Administered (Nitrous Oxide)
Nebulizer
Oral (PO)
Subcutaneous (SQ)
Sublingual (SL)

Initiation / Maintenance / Fluids
Non-Medicated IV Fluids
Crystalloid IV Solution
Hypertonic Dextrose IV Solution
Intraosseous
Intranasal (IN)
IV Pump (85 and A: approved IV solutions only)
Peripheral
Saline Lock
Medication List
Acetaminophen (Tylenol)
Activated Charcoal (EZ-Char, Actidose, Liqui-Char)
Albuterol (Proventil, Ventolin)
Aspirin (ASA)
Dextrose (Glucose, D50, D25, D10)
Diphenhydramine (Benadryl)
Epinephrine 0.15mg Auto Injector (Epi-Pen Jr)
Epinephrine 0.3mg Auto Injector (Epi-Pen)
Epinephrine (Adrenalin) 1:1,000
Epinephrine Racemic (Micronefrin)
Glucagon (GlucaGen)
Ibuprofen (Motrin)
Ipratropium (Atrovent)
MARK I Kit (or alternative): Use of unit dose commercially pre-filled containers or auto injectors for the administration of life saving medications intended for self, peer, or patient rescue after exposure to nerve agents(s)
Metaproterenol Sulfate (Alupent)
Naloxone Hydrochloride (Narcan) Auto Injector or Nasal Spray Route
Nitroglycerin (Nitrostat, Tridil)
Nitropaste (Nitro-Bid Ointment)
Nitrous Oxide 50:50 (Nitronox)
Ondansetron Hydrochloride (Zofran)
Oral Glucose (Insta-Glucose)
Oxygen
Thiamine (Betaxin)
IV Solutions
Lactated Ringers (LR)
5% Dextrose in Water (D5W)
0.9% Sodium Chloride (Normal Saline)
0.45% Sodium Chloride (1/2 Normal Saline)
5% Dextrose in 0.9% Sodium Chloride (D5NS)
5% Dextrose in Lactated Ringers (D5LR)

EMS Scope of Practice

All changes to any of the scope of practice or skills must be approved by the SDBMOE.

EMT-I/99 Scope of Practice

Airway / Ventilation / Oxygenation

Airway - Mouth-to-Mouth

Airway - Mouth-to-Barrier

Airway - Mouth-to-Mask

Airway - Mouth-to-Nose

Airway - Mouth-to-Stoma

Airway - Nasopharyngeal

Airway - Oropharyngeal

Airway - Supraglottic Airway Device

Airway Obstruction - Forceps & Laryngoscope

Airway Obstruction - Manual

Head-Tilt / Chin-Lift

Jaw-Thrust

Jaw-Thrust - Modified

Bag Valve Mask (BVM)

CPAP

Capnography - End Tidal CO2 Monitoring

Chest Decompression - Needle

Chest Seal

Cricoid Pressure (Sellick)

Gastric Decompression - For non-visualized Airway with

Gastric Access

Gastric Decompression - NG/OG Tube

Intubation - Endotracheal

Intubation - Medication Assisted (non-paralytic)

Intubation - Nasotracheal

Manual Airway Maneuvers

Oxygen Therapy - Tracheal Tube

Oxygen Therapy - Nebulizer

Oxygen Therapy - Nasal Cannula

Oxygen Therapy - Non-Rebreather Mask

Oxygen Therapy - Simple Face Mask & Partial NRB

Oxygen Therapy - Venturi Mask

Oxygen Therapy - Humidified

Pulse Oximetry

Suctioning - Upper Airway (soft & rigid)

Suctioning - Tracheobronchial

Ventilators - Automated Transport Ventilator

Assessment Skills / Miscellaneous
Perform Patient Assessments
Obtain Vital Signs Manually or Electronically
Pulse Oximetry
Obtain Temperature
Obtain & Measure Blood Glucose
Assisted Delivery (Childbirth)
Eye Irrigation (Non Invasive)
Patient Physical Restraint Application
Venous Blood Sampling (Obtaining)
Cardiovascular / Circulation
3, 4, 12, 15 or 18 Lead EkG Monitoring / Interpretation
12, 15, or 18 Lead EkG transmission (Mission LifeLine)
Blood & Blood Product Monitoring
Cardiopulmonary Resuscitation (CPR)
Use of mechanical CPR Assist Devices
Cardioversion - Electrical
Defibrillation - AED
Defibrillation - Manual
Valsalva Maneuver
Transcutaneous Cardiac Pacing
Hemorrhage Control Products
Hemorrhage Control - Direct Pressure
Hemorrhage Control - Pressure Point
Hemorrhage Control - Tourniquet
Trauma Care
Spinal immobilization - Cervical Collar
Spinal Immobilization - Long Board
Spinal Immobilization - Manual Stabilization
Spinal Immobilization - Seated Patient (KED, etc.)
Spine Motion Restriction
Splinting - Manual
Splinting - Pelvic Wrap / PASG (Only used for Splinting)
Splinting - Rigid
Splinting - Soft
Splinting - Traction
Splinting - Vacuum
Emergency Moves for Endangered Patient
Rapid Extrication of Patient

Medication Administration Routes
Aerosolized
Auto-Injector
Buccal
Endotracheal Tube (ET)
Intramuscular (IM)
Intranasal (IN)
Intraosseous (IO)
Intravenous (IV)
Intravenous - Piggyback
Intravenous - Push/Bolus
Inhaled - Self-Administered (Nitrous Oxide)
Nebulizer
Oral (PO)
Rectal
Subcutaneous (SQ)
Sublingual (SL)
Transdermal
Initiation / Maintenance / Fluids
Medicated IV Fluids: May continue medicated IV infusions/drips for non-ALS medications
Non-Medicated IV Fluids
Crystalloid IV Solution
Hypertonic Dextrose IV Solution
IV Pump (85 and A: approved IV solutions only)
Intraosseous
Peripheral
Saline Lock
Medication List
Acetaminophen (Tylenol)
Activated Charcoal (EZ-Char, Actidose, Liqui-Char)
Adenosine (Adenocard)
Albuterol (Proventil, Ventolin)
Amiodarone (Cordarone, Pacerone)
Aspirin (ASA)
Atropine Sulfate
Dextrose (Glucose, D50, D25, D10)
Diazepam (Valium)
Digoxin (Lanoxin)
Diltiazem (Cardizem)
Diphenhydramine (Benadryl)
Dopamine Hydrochloride (Intropin)
Epinephrine 0.15mg Auto Injector (Epi-Pen Jr)
Epinephrine 0.3mg Auto Injector (Epi-Pen)
Epinephrine (Adrenalin) 1:1,000
Epinephrine (Adrenalin) 1:10,000
Epinephrine Racemic (Micronefrin)
Furosemide (Lasix)

Glucagon (GlucaGen)
Ibuprofen (Motrin)
Ipratropium (Atrovent)
Labetalol (Normodyne, Trandate)
Lidocaine Hydrochloride (Xylocaine)
Magnesium Sulfate
MARK I Kit (or alternative): Use of unit dose commercially pre-filled containers or auto injectors for the administration of life saving medications intended for self, peer, or patient rescue after exposure to nerve agents(s)
Metaproterenol Sulfate (Alupent)
Morphine Sulfate (Roxanol, MS Contin)
Naloxone Hydrochloride (Narcan)
Naloxone Hydrochloride (Narcan) Auto Injector or Nasal Spray Route
Nicardipine (Cardene)
Nitroglycerin (Nitrostat, Tridil)
Nitropaste (Nitro-Bid Ointment)
Nitroprusside (Nitropress)
Nitrous Oxide 50:50 (Nitronox)
Ondansetron Hydrochloride (Zofran)
Oral Glucose (Insta-Glucose)
Oxygen
Reglan (Metoclopramide)
Sodium Bicarbonate
Terbutaline Sulfate (Brethine)
Thiamine (Betaxin)
TXA (Tranexamic Acid)
Vasopressin (Pitressin)
Verapamil Hydrochloride (Isoptin, Calan)
IV Solutions
Lactated Ringers (LR)
5% Dextrose in Water (D5W)
0.9% Sodium Chloride (Normal Saline)
0.45% Sodium Chloride (1/2 Normal Saline)
5% Dextrose in 0.9% Sodium Chloride (D5NS)
5% Dextrose in Lactated Ringers (D5LR)

EMS Scope of Practice

All changes to any of the scope of practice or skills must be approved by the SDBMOE.

Paramedic Scope of Practice

Airway / Ventilation / Oxygenation

Airway - Mouth-to-Mouth

Airway - Mouth-to-Barrier

Airway - Mouth-to-Mask

Airway - Mouth-to-Nose

Airway - Mouth-to-Stoma

Airway - Nasopharyngeal

Airway - Oropharyngeal

Airway - Supraglottic Airway Device

Airway Obstruction - Forceps & Laryngoscope

Airway Obstruction - Manual

Head-Tilt / Chin-Lift

Jaw-Thrust

Jaw-Thrust - Modified

Bag Valve Mask (BVM)

BiPAP

CPAP

Capnography - End Tidal CO2 Monitoring

Chest Decompression - Needle

Chest Seal

Cricoid Pressure (Sellick)

Cricothyrotomy - Surgical/Needle

Gastric Decompression - For non-visualized Airway with gastric access

Gastric Decompression - NG/OG Tube

Intubation - Endotracheal

Intubation - Medication Assisted (non-paralytic)

Intubation - Medication Assisted (Paralytic, RSI) includes the following medications: Etomidate (Amidate), Pancuronium, Bromide (Pavulon), Rocuronium Bromide (Zemuron), Succinylcholine Chloride (Anectine), and Vecuronium Bromide (Norcuron).

Intubation - Nasotracheal

Manual Airway Maneuvers

Oxygen Therapy - Tracheal Tube

Oxygen Therapy - Nebulizer

Oxygen Therapy - Nasal Cannula

Oxygen Therapy - Non-Rebreather Mask

Oxygen Therapy - Simple Face Mask & Partial NRB

Oxygen Therapy - Venturi Mask

Oxygen Therapy - Humidified

Pulse Oximetry

Suctioning - Upper Airway (soft & rigid)

Suctioning - Tracheobronchial

Ventilators - Automated Transport Ventilator

Ventilators - Variable Setting

Assessment Skills / Miscellaneous
Perform Patient Assessments
Obtain Vital Signs Manually or Electronically
Pulse Oximetry
Obtain Temperature
Obtain & Measure Blood Glucose
Assisted Delivery (Childbirth)
Chest Tube Monitoring
Eye Irrigation (Non-Invasive)
Patient Physical Restraint Application
Venous Blood Sampling (Obtaining)
Cardiovascular / Circulation
3, 4, 12, 15 or 18 Lead EkG Monitoring / Interpretation
12, 15, or 18 Lead EkG transmission (Mission LifeLine)
Blood & Blood Product Monitoring
Cardiocerebral Resuscitation (CCR)
Cardiopulmonary Resuscitation (CPR)
Use of mechanical CPR Assist Devices
Cardioversion - Electrical
Defibrillation - AED
Defibrillation - Manual
Valsalva Maneuver
Transcutaneous Cardiac Pacing
Hemorrhage Control Products
Hemorrhage Control - Direct Pressure
Hemorrhage Control - Pressure Point
Hemorrhage Control - Tourniquet
Trauma Care
Spinal immobilization - Cervical Collar
Spinal Immobilization - Long Board
Spinal Immobilization - Manual Stabilization
Spinal Immobilization - Seated Patient (KED, etc.)
Spine Motion Restriction
Splinting - Manual
Splinting - Pelvic Wrap / PASG (Only used for Splinting)
Splinting - Rigid
Splinting - Soft
Splinting - Traction
Splinting - Vacuum
Emergency Moves for Endangered Patient
Rapid Extrication of Patient

Medication Administration Routes
Aerosolized
Auto-Injector
Buccal
Endotracheal Tube (ET)
Intramuscular (IM)
Intranasal (IN)
Intraosseous (IO)
Intravenous (IV)
Intravenous - Piggyback
Intravenous - Push/Bolus
Inhaled - Self-Administered (Nitrous Oxide)
Nasogastric
Nebulizer
Oral (PO)
Rectal
Subcutaneous (SQ)
Sublingual (SL)
Transdermal
Initiation / Maintenance / Fluids
Central Line - Monitoring Only
Medicated IV Fluids: May continue medicated IV infusion/drips for non-ALS medications
Non-Medicated IV Fluids
Crystalloid IV Solution
Hypertonic Dextrose IV Solution
Maintain an Infusion of Blood or Blood Product
IV Pump (85 and A: approved IV solutions only)
Intraosseous
Umbilical - Initiation & Use
Peripheral
PICC Line - Use and Maintenance
Saline Lock
Medication List
Acetaminophen (Tylenol)
Activated Charcoal (EZ-Char, Actidose, Liqui-Char)
Adenosine (Adenocard)
Albuterol (Proventil, Ventolin)
Amiodarone (Cordarone, Pacerone)
Amyl Nitrite
Aspirin (ASA)
Atenolol (Tenormin)
Atropine Sulfate
Benzocaine Spray
Bumetanide (Bumex)
Calcium Chloride
Calcium Gluconate
Clopidogrel (Plavix)
Dexamethasone Sodium Phosphate (Decadron)
Dextrose (Glucose, D50, D25, D10)
Diazepam (Valium)
Digoxin (Lanoxin)

Diltiazem (Cardizem)
Diphenhydramine (Benadryl)
Dobutamine Hydrochloride (Dobutrex)
Dolasetron (Anzemet)
Dopamine Hydrochloride (Intropin)
Epinephrine 0.15mg Auto Injector (Epi-Pen Jr)
Epinephrine 0.3mg Auto Injector (Epi-Pen)
Epinephrine (Adrenalin) 1:1,000
Epinephrine (Adrenalin) 1:10,000
Epinephrine Racemic (Micronefrin)
Eptifibatide (Integrilin)
Fentanyl Citrate (Sublimaze)
Flumazenil (Romazicon)
Fosphenytoin (Cerebyx)
Furosemide (Lasix)
Glucagon (GlucaGen)
Haloperidol Lactate (Haldol)
Hydrocortisone Sodium Succinate (Solu-Cortef)
Hydroxocobalamin (Cyanokit)
Hydroxyzine (Atarax, Vistaril)
Ibuprofen (Motrin)
Ipratropium (Atrovent)
Isoetharine (Bronchosol, Bronkometer)
Ketamine (Ketalar)
Ketorolac Tromethamine (Toradol)
Labetalol (Normodyne, Trandate)
Levalbuterol (Xopenex)
Lidocaine Hydrochloride (Xylocaine)
Lorazepam (Ativan)
Magnesium Sulfate
Mannitol (Osmitol)
MARK I Kit (or alternative): Use of unit dose commercially pre-filled containers or auto injectors for the administration of life saving medications intended for self, peer, or patient rescue after exposure to nerve agents(s)
Meperidine Hydrochloride (Demerol)
Metaproterenol Sulfate (Alupent)
Methylprednisone Sodium Succinate (Solu-Medrol)
Metoprolol Tartrate (Lopressor)
Midazolam Hydrochloride (Versed)
Morphine Sulfate (Roxanol, MS Contin)
Nalbuphine Hydrochloride (Nubain)
Naloxone Hydrochloride (Narcan)
Naloxone Hydrochloride (Narcan) Auto Injector or Nasal Spray Route
Nicardipine (Cardene)
Nifedipine (Procardia, Adalat)
Nitroglycerin (Nitrostat, Tridil)
Nitropaste (Nitro-Bid Ointment)
Nitroprusside (Nitropress)
Nitrous Oxide 50:50 (Nitronox)
Norepinephrine Bitartrate (Levophed)
Ondansetron Hydrochloride (Zofran)
Oral Glucose (Insta-Glucose)
Oxygen

Oxytocin (Pitocin)
Phenobarbital (Luminal)
Phenytoin (Dilantin)
Pralidoxime (2-PAM, Protopam)
Procainamide Hydrochloride (Pronestyl)
Promethazine Hydrochloride (Phenergan)
Propranolol Hydrochloride (Inderal)
Reglan (Metoclopramide)
Sodium Bicarbonate
Sodium Nitrate
Sodium Thiosulfate
Terbutaline Sulfate (Brethine)
Thiamine (Betaxin)
TXA (Tranexamic Acid)
Vasopressin (Pitressin)
Verapamil Hydrochloride (Isoptin, Calan)
IV Solutions
Hetastarch (Hespan)
Lactated Ringers (LR)
5% Dextrose in Water (D5W)
0.9% Sodium Chloride (Normal Saline)
0.45% Sodium Chloride (1/2 Normal Saline)
5% Dextrose in 0.9% Sodium Chloride (D5NS)
5% Dextrose in Lactated Ringers (D5LR)

* See the Rulings page on our website for the Immunization Declaratory Ruling

EMS Scope of Practice

All changes to any of the scope of practice or skills must be approved by the

Scope of Practice -All Levels

Airway / Ventilation / Oxygenation	Levels					
Airway - Mouth-to-Mouth	R	E	85	A	99	P
Airway - Mouth-to-Barrier	R	E	85	A	99	P
Airway - Mouth-to-Mask	R	E	85	A	99	P
Airway - Mouth-to-Nose	R	E	85	A	99	P
Airway - Mouth-to-Stoma	R	E	85	A	99	P
Airway - Nasopharyngeal	R	E	85	A	99	P
Airway - Oropharyngeal	R	E	85	A	99	P
Airway - Supraglottic Airway Device		E	85	A	99	P
Airway Obstruction - Forceps & Laryngoscope					99	P
Airway Obstruction - Manual	R	E	85	A	99	P
Head-Tilt / Chin-Lift	R	E	85	A	99	P
Jaw-Thrust	R	E	85	A	99	P
Jaw-Thrust - Modified	R	E	85	A	99	P
Bag Valve Mask (BVM)	R	E	85	A	99	P
BiPAP						P
CPAP		E	85	A	99	P
Capnography - End Tidal CO2 Monitoring		E	86	A	99	P
Chest Decompression - Needle					99	P
Chest Seal	R	E	85	A	99	P
Cricoid Pressure (Sellick)		E	85	A	99	P
Cricothyrotomy - Surgical/Needle						P
Gastric Decompression - For non-visualized Airway with Gastric Access					99	P
Gastric Decompression - NG/OG Tube					99	P
Intubation - Endotracheal					99	P
Intubation - Medication Assisted (non-paralytic)					99	P
Intubation - Medication Assisted (Paralytic, RSI) includes the following medications: Etomidate (Amidate), Pancuronium, Bromide (Pavulon), Rocuronium Bromide (Zemuron), Succinylcholine Chloride (Anectine), and Vecuronium Bromide (Norcuron).						P
Intubation - Nasotracheal					99	P
Manual Airway Maneuvers	R	E	85	A	99	P
Oxygen Therapy - Tracheal Tube	R	E	85	A	99	P
Oxygen Therapy - Nebulizer		E	85	A	99	P
Oxygen Therapy - Nasal Cannula	R	E	85	A	99	P
Oxygen Therapy - Non-Rebreather Mask	R	E	85	A	99	P
Oxygen Therapy - Simple Face Mask & Partial NRB	R	E	85	A	99	P
Oxygen Therapy - Venturi Mask		E	85	A	99	P
Oxygen Therapy - Humidified		E	85	A	99	P
Pulse Oximetry	R	E	85	A	99	P
Suctioning - Upper Airway (soft & rigid)	R	E	85	A	99	P
Suctioning - Tracheobronchial				A	99	P
Ventilators - Automated Transport Ventilator		E	85	A	99	P
Ventilators - Variable Setting						P

Assessment Skills / Miscellaneous						Levels	
Perform Patient Assessments	R	E	85	A	99	P	
Obtain Vital Signs Manually or Electronically	R	E	85	A	99	P	
Pulse Oximetry		E	85	A	99	P	
Obtain Temperature	R	E	85	A	99	P	
Obtain & Measure Blood Glucose		E	85	A	99	P	
Assisted Delivery (Childbirth)	R	E	85	A	99	P	
Chest Tube Monitoring						P	
Eye Irrigation (Non Invasive)	R	E	85	A	99	P	
Patient Physical Restraint Application		E	85	A	99	P	
Venous Blood Sampling (Obtaining)			85	A	99	P	
Cardiovascular / Circulation						Levels	
3, 4, 12, 15 or 18 Lead EkG Monitoring / Interpretation					99	P	
12, 15, or 18 Lead EkG transmission (Mission LifeLine)		E	85	A	99	P	
Blood & Blood Product Monitoring					99	P	
Cardiocerebral Resuscitation (CCR)						P	
Cardiopulmonary Resuscitation (CPR)	R	E	85	A	99	P	
Use of mechanical CPR Assist Devices	R	E	85	A	99	P	
Cardioversion - Electrical					99	P	
Defibrillation - AED	R	E	85	A	99	P	
Defibrillation - Manual					99	P	
Valsalva Maneuver					99	P	
Transcutaneous Cardiac Pacing					99	P	
Hemorrhage Control Products		E	84	A	98	P	
Hemorrhage Control - Direct Pressure	R	E	85	A	99	P	
Hemorrhage Control - Pressure Point	R	E	85	A	99	P	
Hemorrhage Control - Tourniquet	R	E	85	A	99	P	
Trauma Care						Levels	
Spinal immobilization - Cervical Collar	R	E	85	A	99	P	
Spinal Immobilization - Long Board	R	E	85	A	99	P	
Spinal Immobilization - Manual Stabilization	R	E	85	A	99	P	
Spinal Immobilization - Seated Patient (KED, etc.)	R	E	85	A	99	P	
Spine Motion Restriction		E	85	A	99	P	
Splinting - Manual	R	E	85	A	99	P	
Splinting - Pelvic Wrap / PASG (only used for splinting)		E	85	A	99	P	
Splinting - Rigid	R	E	85	A	99	P	
Splinting - Soft	R	E	85	A	99	P	
Splinting - Traction		E	85	A	99	P	
Splinting - Vacuum	R	E	85	A	99	P	
Emergency Moves for Endangered Patient	R	E	85	A	99	P	
Rapid Extrication of Patient	R	E	85	A	99	P	
May Assist Patient with Patient Prescription						Levels	
Inhaler		E	85	A	99	P	
Nitroglycerin		E	85	A	99	P	
Oral Glucose	R	E	85	A	99	P	

Medication Administration Routes						Levels	
Aerosolized		E	85	A	99	P	
Auto-Injector or Nasal Spray	R	E	85	A	99	P	
Buccal	R	E	85	A	99	P	
Endotracheal Tube (ET)					99	P	
Intramuscular (IM)				A	99	P	
Intranasal (IN)		E	85	A	99	P	
Intraosseous (IO)				A	99	P	
Intravenous (IV)			85	A	99	P	
Intravenous - Piggyback					99	P	
Intravenous - Push/Bolus				A	99	P	
Inhaled - Self-Administered (Nitrous Oxide)				A	99	P	
Nasogastric						P	
Nebulizer				A	99	P	
Oral (PO)	R	E	85	A	99	P	
Rectal					99	P	
Subcutaneous (SQ)				A	99	P	
Sublingual (SL)		E	85	A	99	P	
Transdermal					99	P	
Initiation / Maintenance / Fluids						Levels	
Central Line - Monitoring Only						P	
Medicated IV Fluids: may continue medicated IV infusions/drips for non-ALS medications					99	P	
Non-Medicated IV Fluids			85	A	99	P	
Crystalloid IV Solution			85	A	99	P	
Hypertonic Dextrose IV Solution			85	A	99	P	
Maintain an Infusion of Blood or Blood Product						P	
IV Pump (85 and A: approved IV solutions only)			85	A	99	P	
Intraosseous				A	99	P	
Umbilical - Initiation & Use						P	
Peripheral			85	A	99	P	
PICC Line - Use and Maintenance						P	
Saline Lock			85	A	99	P	
Medication List						Levels	
Acetaminophen (Tylenol)				A	99	P	
Activated Charcoal (EZ-Char, Actidose, Liqui-Char)		E	85	A	99	P	
Adenosine (Adenocard)					99	P	
Albuterol (Proventil, Ventolin)				A	99	P	
Amiodarone (Cordarone, Pacerone)					99	P	
Amyl Nitrite						P	
Aspirin (ASA)		E	85	A	99	P	
Atenolol (Tenormin)						P	
Atropine Sulfate					99	P	
Benzocaine Spray						P	
Bumetanide (Bumex)						P	
Calcium Chloride						P	
Calcium Gluconate						P	
Clopidogrel (Plavix)						P	
Dexamethasone Sodium Phosphate (Decadron)						P	
Dextrose (Glucose, D50, D25, D10)			85	A	99	P	

Diazepam (Valium)						99	P
Digoxin (Lanoxin)						99	P
Diltiazem (Cardizem)						99	P
Diphenhydramine (Benadryl)				A		99	P
Dobutamine Hydrochloride (Dobutrex)							P
Dolasetron (Anzemet)							P
Dopamine Hydrochloride (Intropin)						99	P
Epinephrine 0.15mg Auto Injector (Epi-Pen Jr)	R	E	85	A		99	P
Epinephrine 0.3mg Auto Injector (Epi-Pen)	R	E	85	A		99	P
Epinephrine (Adrenalin) 1:1,000		E	85	A		99	P
Epinephrine (Adrenalin) 1:10,000						99	P
Epinephrine Racemic (Micronefrin)				A		99	P
Eptifibatide (Integrilin)							P
Fentanyl Citrate (Sublimaze)							P
Flumazenil (Romazicon)							P
Fosphenytoin (Cerebyx)							P
Furosemide (Lasix)						99	P
Glucagon (GlucaGen)				A		99	P
Haloperidol Lactate (Haldol)							P
Hydrocortisone Sodium Succinate (Solu-Cortef)							P
Hydroxocobalamin (Cyanokit)							P
Hydroxyzine (Atarax, Vistaril)							P
Ibuprofen (Motrin)				A		99	P
Ipratropium (Atrovent)				A		99	P
Isoetharine (Bronchosol, Bronkometer)							P
Ketamine (Ketalar)							P
Ketorolac Tromethamine (Toradol)							P
Labetalol (Normodyne, Trandate)						99	P
Levalbuterol (Xopenex)							P
Lidocaine Hydrochloride (Xylocaine)						99	P
Lorazepam (Ativan)							P
Magnesium Sulfate						99	P
Mannitol (Osmitrol)							P
MARK I Kit (or alternative): Use of unit dose commercially pre-filled containers or auto injectors for the administration of life saving medications intended for self, peer, or patient rescue after exposure to nerve agents(s)	R	E	85	A		99	P
Meperidine Hydrochloride (Demerol)							P
Metaproterenol Sulfate (Alupent)				A		99	P
Methylprednisone Sodium Succinate (Solu-Medrol)							P
Metoprolol Tartrate (Lopressor)							P
Midazolam Hydrochloride (Versed)							P
Morphine Sulfate (Roxanol, MS Contin)						99	P
Nalbuphine Hydrochloride (Nubain)							P
Naloxone Hydrochloride (Narcan)				A		99	P
Naloxone Hydrochloride (Narcan) Auto Injector or Nasal Spray Route	R	E	85	A		99	P
Nicardipine (Cardene)						99	P
Nifedipine (Procardia, Adalat)							P
Nitroglycerin (Nitrostat, Tridil)* May assist patient with own medication		E*	85*	A		99	P
Nitropaste (Nitro-Bid Ointment)				A		99	P
Nitroprusside (Nitropress)						99	P

Nitrous Oxide 50:50 (Nitronox)					A	99	P
Norepinephrine Bitartrate (Levophed)							P
Ondansetron Hydrochloride (Zofran)					A	99	P
Oral Glucose (Insta-Glucose)	R	E	85	A	99	P	P
Oxygen	R	E	85	A	99	P	P
Oxytocin (Pitocin)							P
Phenobarbital (Luminal)							P
Phenytoin (Dilantin)							P
Pralidoxime (2-PAM, Protopam)							P
Procainamide Hydrochloride (Pronestyl)							P
Promethazine Hydrochloride (Phenergan)							P
Propranolol Hydrochloride (Inderal)							P
Reglan (Metoclopramide)						99	P
Sodium Bicarbonate						99	P
Sodium Nitrate							P
Sodium Thiosulfate							P
Terbutaline Sulfate (Brethine)						99	P
Thiamine (Betaxin)					A	99	P
TXA (Tranexamic Acid)						99	P
Vasopressin (Pitressin)						99	P
Verapamil Hydrochloride (Isoptin, Calan)						99	P
IV Solutions					Levels		
Hetastarch (Hespan)							P
Lactated Ringers (LR)			85	A	99	P	P
5% Dextrose in Water (D5W)			85	A	99	P	P
0.9% Sodium Chloride (Normal Saline)			85	A	99	P	P
0.45% Sodium Chloride (1/2 Normal Saline)				A	99	P	P
5% Dextrose in 0.9% Sodium Chloride (D5NS)				A	99	P	P
5% Dextrose in Lactated Ringers (D5LR)				A	99	P	P

* See the Rulings page on our website for the Immunization Declaratory Ruling

EMT I/85 Additions	
Assessment Skills / Miscellaneous	
Venous Blood Sampling (Obtaining)	
Medication Administration Routes	
Intranasal (IN)	
Intravenous (IV)	
Initiation / Maintenance / Fluids	
Non-Medicated IV Fluids	
Crystalloid IV Solution	
Hypertonic Dextrose IV Solution	
IV Pump (Approved IV medications only)	
Peripheral	
Saline Lock	
Medication List	
Dextrose (Glucose, D50, D25, D10)	
IV Solutions	
Lactated Ringers (LR)	
5% Dextrose in Water (D5W)	
0.9% Sodium Chloride (Normal Saline)	

AEMT Additions	
Medication Administration Routes	
Intraosseous (IO)	
Intravenous - Push/Bolus	
Inhaled - Self-Administered (Nitrous Oxide)	
Nebulizer	
Subcutaneous (SQ)	
Medication List	
Acetaminophen (Tylenol)	
Albuterol (Proventil, Ventolin)	
Dextrose (Glucose, D50, D25, D10)	
Diphenhydramine (Benadryl)	
Epinephrine Racemic (Micronefrin)	
Glucagon (GlucaGen)	
Ibuprofen (Motrin)	
Ipratropium (Atrovent)	
Nitrous Oxide 50:50 (Nitronox)	
Ondansetron Hydrochloride (Zofran)	
Thiamine (Betaxin)	
IV Solutions	
0.45% Sodium Chloride (1/2 Normal Saline)	
5% Dextrose in 0.9% Sodium Chloride (D5NS)	
5% Dextrose in Lactated Ringers (D5LR)	

EMT I/99 Additions**Airway / Ventilation / Oxygenation**

Airway Obstruction - Forceps & Laryngoscope

CPAP

Capnography - End Tidal CO2 Monitoring

Chest Decompression - Needle

Gastric Decompression - For non-visualized Airway with

Gastric Access

Gastric Decompression - NG/OG Tube

Intubation - Endotracheal

Intubation - Medication Assisted (non-paralytic)

Intubation - Nasotracheal

Cardiovascular / Circulation

3, 4, 12, 15 or 18 Lead EkG Monitoring / Interpretation

Blood & Blood Product Monitoring

Cardioversion - Electrical

Defibrillation - Manual

Valsalva Maneuver

Transcutaneous Cardiac Pacing

Medication Administration Routes

Endotracheal Tube (ET)

Intravenous - Piggyback

Rectal

Transdermal

Initiation / Maintenance / Fluids

Medicated IV Fluids: may continue medicated IV infusions/drips for non-ALS medications

Medication List

Adenosine (Adenocard)

Amiodarone (Cordarone, Pacerone)

Atropine Sulfate

Diazepam (Valium)

Digoxin (Lanoxin)

Diltiazem (Cardizem)

Dopamine Hydrochloride (Intropin)

Epinephrine (Adrenalin) 1:10,000

Furosemide (Lasix)

Labetalol (Normodyne, Trandate)

Lidocaine Hydrochloride (Xylocaine)

Magnesium Sulfate

Morphine Sulfate (Roxanol, MS Contin)

Nicardipine (Cardene)

Nitroprusside (Nitropress)

Reglan (Metoclopramide)

Sodium Bicarbonate

Terbutaline Sulfate (Brethine)
TXA (Tranexamic Acid)
Vasopressin (Pitressin)
Verapamil Hydrochloride (Isoptin, Calan)

Paramedic Additions
Airway / Ventilation / Oxygenation
Cricothyrotomy - Surgical/Needle
Intubation - Medication Assisted (Paralytic, RSI) includes the following medications: Etomidate (Amidate), Pancuronium, Bromide (Pavulon), Rocuronium Bromide (Zemuron), Succinylcholine Chloride (Anectine), and Vecuronium Bromide (Norcuron).
Ventilators - Variable Setting
Assessment Skills / Miscellaneous
Chest Tube Monitoring
Cardiocerebral Resuscitation (CCR)
Medication Administration Routes
Nasogastric
Initiation / Maintenance / Fluids
Central Line - Monitoring Only
Maintain an Infusion of Blood or Blood Product
Umbilical - Initiation & Use
PICC Line - Use and Maintenance
Medication List
Amyl Nitrite
Atenolol (Tenormin)
Benzocaine Spray
Bumetanide (Bumex)
Calcium Gluconate
Clopidogrel (Plavix)
Dexamethasone Sodium Phosphate (Decadron)
Dobutamine Hydrochloride (Dobutrex)
Dolasetron (Anzemet)
Eptifibatide (Integrilin)
Fentanyl Citrate (Sublimaze)
Flumazenil (Romazicon)
Fosphenytoin (Cerebyx)
Haloperidol Lactate (Haldol)
Hydrocortisone Sodium Succinate (Solu-Cortef)
Hydroxocobalamin (Cyanokit)
Hydroxyzine (Atarax, Vistaril)
Isoetharine (Bronchosol, Bronkometer)
Ketamine (Ketalar)
Ketorolac Tromethamine (Toradol)
Levalbuterol (Xopenex)
Lorazepam (Ativan)
Mannitol (Osmitol)
Meperidine Hydrochloride (Demerol)
Methylprednisone Sodium Succinate (Solu-Medrol)

Metoprolol Tartrate (Lopressor)
Midazolam Hydrochloride (Versed)
Nalbuphine Hydrochloride (Nubain)
Nifedipine (Procardia, Adalat)
Norepinephrine Bitartrate (Levophed)
Oxytocin (Pitocin)
Phenobarbital (Luminal)
Phenytoin (Dilantin)
Pralidoxime (2-PAM, Protopam)
Procainamide Hydrochloride (Pronestyl)
Promethazine Hydrochloride (Phenergan)
Propranolol Hydrochloride (Inderal)
Sodium Nitrate
Sodium Thiosulfate
TXA (Tranexamic Acid)
IV Solutions
Hetastarch (Hespan)