I. **AUTHORITY:** California Code, Title 22, Div 9, sec 100170.a.2

II. **APPLICATION:**
This policy describes the standardized minimum drug and equipment inventory for an approved Interfacility-Transport Advanced Life Support (IFT-ALS) unit in Orange County. Title 8 CCR Section 5193, Bloodborne Pathogens, requires sharps injury prevention/needleless products to be utilized when appropriate. All equipment and supplies must be latex free.

III. **DEFINITIONS:**

"Optional" means equipment, supplies, or pharmaceuticals that are not required in the minimum inventory, but which ALS providers are authorized to include in unit inventories.

"or" means either equipment, supply, or pharmaceutical is appropriate and effective. It does not imply that both must be stocked in inventory, rather either or both can be stocked.

IV. **CRITERIA:**
The number or amount of each item and any addition to the inventory is at the discretion of the IFT-ALS provider and must reflect a specific unit's needs for its service area. Equipment, supplies, and drug inventory that is not part of the authorized Orange County ALS Scope of Practice is not permitted without formal approval from the Orange County EMS Agency and the California EMS Authority.

V. **EQUIPMENT:**

**BAG-VALVE DEVICE WITH OXYGEN INLET AND RESERVOIR:** Adult and Pediatric

**BANDAGE SCISSORS**

**BACKBOARD:** Adult, X-ray transparent. Minimum of three straps

**GLUCOMETER, WITH NON-EXPIRED TEST STRIPS AND LANCETS**

**INFUSION PUMP, PORTABLE-TRANSPORT FOR CONSTANT CALIBRATED IV INFUSION**

**LARYNGOSCOPE:** Blades: Adult - curved/straight #3 and #4 recommended
Pediatric - straight #1 and #2 (for direct laryngoscopy foreign body removal)

**MAGILL FORCEPS:** Adult and Pediatric; closed tip

**MONITOR / DEFIBRILLATOR:** Biphasic, adjustable output, defibrillator with oscilloscope (FDA approved)
Defibrillator-pacer pads with functional cables and connectors
ECG pads with functional cables and connectors
Synchronizer: designed to deliver a synchronized defibrillating pulse, timed to avoid the T-wave of the cardiac cycle.
12-lead ECG capability with internal interpretation protocol to identify an acute myocardial infarction.
Transcutaneous pacing module
End-tidal CO2 monitor with either single or continuous wave-form reading output
Recorder: Must be able to produce a paper print out of high quality.
ADVANCED LIFE SUPPORT INTERFACILITY TRANSPORT – ALS PROVIDER
UNIT MINIMUM INVENTORY

Batteries/Charge Units as Main Power Source

PULSE OXYMETER, MAY BE INCORPORATED WITHIN MONITOR-DEFIBRILLATOR

SPHYGMOMANOMETER: Assorted cuff sizes, including adult and pediatric

STETHOSCOPE: Disposable or non-disposable diaphragm type

SUCTION UNIT: Portable, with disposable canister

SLIDING (TRANSFER) FLAT

OPTIONAL APPROVED EQUIPMENT:

AUTOMATIC CHEST COMPRESSION DEVICE, BAND OR PLUNGER DESIGN, FOR ONGOING CPR

BREAKAWAY FLAT: Vertically stable for full spinal immobilization

EXTRICATION SPLINT: Horizontal flexible, vertical rigidity; stabilizes head, neck and back

BACKBOARDS: Pediatric

RESUSCITATOR: 40 L/min maximum delivery capability, portable, lightweight, minimum 6' length hose to head, constant flow valve 0-15 L/min demand valve head

TOURNIQUET: Manufactured, FDA approved

TRACTION SPLINTS: Lightweight, portable: adult, pediatric (BARRIER PROTECTION ACCEPTABLE)

VI. SUPPLIES:

Airway adapters: standard 15mm ID X 22mm OD both ends
Airway, nasopharyngeal: 4.5mm - 9.0mm or adult and pediatric sizes
Airway, oral: Adult and pediatric sizes
Alcohol wipes
Atomizer for nasal administration of medications

Bags (for trash)
Basin, emesis (BARRIER PROTECTION ACCEPTABLE)
Blanket, disposable

Cannulas, nasal oxygen: Adult and pediatric
Catheter, suction: sizes #6, #10, #14,

Combitubes®: Regular and Small Adult
OR
King® Airway: Sizes 3, 4, 5

Dressings: Kerlix or equivalent
Gauze 4 in. x 4 in./2 in. X 2 in.
OP Site® or equivalent, approx. 2" x 3" (for IV sites)
ET tubes: soft cuff, assorted adult sizes with stylets
Flexible intubation guide
Gloves: Assorted sizes, including clean and sterile packaged
Intracutaneous (IO) needles with or without introducer device
IV catheters, over needle type: assorted sizes and saline lock chambers (fittings)
IV rate flow regulator
IV tubing: Macro drip, 15 drops/mL or 10 drops/mL with two medication injection sites and a "Y" adapter.
Masks, disposable ventilation: sizes Neonate, infant, and child
Mask, oxygen non-rebreather: adult and pediatric
Nebulizer, Acorn type, with mouth piece and mask attachments
Needle-ARS type for chest decompression OR Needle chest decompression kit
Needles for IM injection, assorted sizes
Needle (sharps) disposal unit
OB kit with Bulb syringe
Personal protective equipment (OSHA compliant masks, gowns, gloves, eye shields)
Razors, disposable
Restraints: Soft
Suction, tonsil tip; semi rigid or rigid, large bore (Yankauer suction tip)
Syringes, assorted sizes
Tape (paper, plastic hypoallergenic): assorted sizes and types
Tourniquets, for facilitating IV placement
Petroleum (Vaseline®) gauze
Underpads (CHUX®)/protective pads

OPTIONAL APPROVED SUPPLIES:
Arm board: short, with rigid insert, padded (BARRIER PROTECTION ACCEPTABLE)
Arm board: long, with rigid insert, padded (BARRIER PROTECTION ACCEPTABLE)
Band-Aids
Burn dressing: Clean sheet or commercial burn covering sheet
CO₂ detector – End tidal CO₂ detector attachable to endotracheal tube (colorimetric)
Cold packs, chemical (BARRIER PROTECTION ACCEPTABLE)
Dressings: Abdominal gauze
Eye pads
Hemostatic gauze
ET tube holders
Infant Transport Mattress, heated, consistent temperature not to exceed 42 degrees centigrade
IV tubing: Micro drip, 60 drops/mL.
Mechanical chest compression device for CPR
One-way ‘flutter’ valve
Pediatric length-based resuscitation tape
Penlight/flashlight
Restraints: Hard leather restraints padded and quick release
Solution, sterile; NS 1000 mL (for irrigation)
Thermometer; temporal, otic, or oral, electronic with disposable patient contact probes
Tubing, oxygen connecting

**VII. PHARMACEUTICAL INVENTORY:**

<table>
<thead>
<tr>
<th>PHARMACEUTICAL</th>
<th>PREPARATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adenosine</td>
<td>12 mg/4mL vial or prefilled syringe or 6 mg/2 mL vial or prefilled syringe</td>
</tr>
<tr>
<td>Albuterol (for nebulizer inhalation)</td>
<td>3.0 mL (2.5 mg) of a 0.083% solution</td>
</tr>
<tr>
<td>Amiodarone</td>
<td>50 mg/mL, vial or prefilled syringe</td>
</tr>
<tr>
<td>Aspirin, chewable</td>
<td>81 mg tablet individually packaged or 325 mg tablet individually packaged</td>
</tr>
<tr>
<td>Atropine</td>
<td>1 mg ampule, vial or prefilled syringe</td>
</tr>
<tr>
<td>Dextrose 10%</td>
<td>250 mL IV bag, 10% solution</td>
</tr>
<tr>
<td>Diphenhydramine (Benadryl™)</td>
<td>50 mg/mL, 1 mL single dose vial or carpuject</td>
</tr>
<tr>
<td>Epinephrine 0.1 mg/mL</td>
<td>1 mg/10 mL prefilled syringe</td>
</tr>
<tr>
<td>Epinephrine 1.0 mg/mL</td>
<td>1 mg/1 mL ampule, 1 mg/1 mL vial, or 30 mL vial</td>
</tr>
<tr>
<td>Glucose, oral solutions</td>
<td>Various formulations</td>
</tr>
<tr>
<td>Glucagon</td>
<td>1 mg ampule with diluent</td>
</tr>
<tr>
<td>Midazolam</td>
<td>5 mg/1 mL vial or carpuject</td>
</tr>
<tr>
<td>Morphine sulfate (may carry or replace with optional fentanyl)</td>
<td>10 mg/10 mL prefilled syringe or 4 mg/1 mL carpuject; or 10 mg/1 mL, 1 mL vial</td>
</tr>
<tr>
<td>Naloxone (Narcan®)</td>
<td>Various IV/IM formulations ampules, vials, prefilled syringe, or carpujects; or 4 mg/0.1 mL preloaded nasal spray</td>
</tr>
</tbody>
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OCEMS Policy #325.10

Effective Date: July 2, 2018
### Nitroglycerin
0.4 mg/metered dose spray, 0.4 mg/tabs or 0.4 mg powder (single dose packets)

### Normal saline for nebulized inhalation
10 mL prefilled syringe or vial without preservative

### Normal saline
1000 mL or 500 mL or 250 mL sterile IV bag

### Ondansetron (Zofran®)
4 mg oral dissolving tablet (ODT) or 4 mg/2 mL prefilled syringe or 4 mg/2 mL single dose vial

### Sodium bicarbonate
1mEq/mL, 50 mL prefilled syringe or 44.6 mEq/50 mL prefilled syringe

### Optional Approved Pharmaceuticals

<table>
<thead>
<tr>
<th>Pharmaceutical</th>
<th>Preparation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albuterol metered dose inhaler</td>
<td>18 gram canister (200 inhalation doses) (SINGLE PATIENT USE ONLY)</td>
</tr>
<tr>
<td>Atropine</td>
<td>0.4 mg/mL, 20 mL vial</td>
</tr>
<tr>
<td>Dopamine</td>
<td>400 mg/10 mL, 10 mL prefilled syringe/or 400 mg/5 mL vial; or 400 mg/250 mL D5W premixed bag</td>
</tr>
<tr>
<td>Duodote Autoinjector</td>
<td>Prepackaged kit containing Atropine and 2-PAM</td>
</tr>
<tr>
<td>Epi Pen Auto Injector</td>
<td>0.3 mg Auto injector</td>
</tr>
<tr>
<td>Epi Pen Auto Injector Junior</td>
<td>0.15 mg Auto injector</td>
</tr>
<tr>
<td>Fentanyl (may carry in addition to morphine or as primary opioid in place of morphine)</td>
<td>100 mcg/2 mL vial or carpulean</td>
</tr>
<tr>
<td>Lidocaine 2% solution (for IO insertion)</td>
<td>100 mg / 5 mL, 5 mL prefilled syringe</td>
</tr>
</tbody>
</table>

### Approved:

[Signatures]

Sam J. Stratton, MD, MPH  
OCEMS Medical Director

Tammi McConnell, MSN, RN  
OCEMS Administrator

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Reviewed Date(s):  
Revised Date(s):  
Effective Date: 7/02/2018  

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