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Description of document: National Aeronautics and Space Administration (NASA)  
Emergency Medical Procedures Manual for the  
International Space Station (ISS) [partial], 2016

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Source of document: FOIA Request  
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National Aeronautics and Space Administration

**Lyndon B. Johnson Space Center**  
2101 NASA Parkway  
Houston, Texas 77058-3696



March 14, 2016

Reply to attn. of: AD911/JSC FOIA Office

**RE: 16-JSC-F-00174**

Thank you for your Freedom of Information Act (FOIA) request dated December 24, 2015, and received at the NASA Headquarters FOIA Office on December 28, 2015. Your request was transferred to our office and received on January 4, 2016. Your request was assigned FOIA Case Number 16-JSC-F-00174 and was for:

Under the provisions of the Freedom of Information Act, I request a copy of the following documents regarding the International Space Station.

1. The dental emergencies procedure manual for the astronauts on the International Space Station.
2. The appendectomy emergency procedure manual for the astronauts on the International Space Station.
3. The cholecystectomy (gall bladder) emergency procedure manual for the astronauts on the International Space Station.
4. The emergency medical manual for the astronauts on the International Space Station.
5. The inventory/stock list for the space station medical kit.
6. The manual for the space station medical kit.
7. The NASA official procedure manual for burial in space (such as from the International Space Station).

This is an individual noncommercial request. I agree to pay up to \$100 for applicable fees if necessary.

In accordance with NASA's FOIA regulations (14 CFR §1206.305), a diligent search was conducted for the records you requested, and no responsive records exist for items #2, 3, 6 and 7.

Please be advised that the responsive records for items #1, 4 and 5 of your request are enclosed. We are releasing 62 pages to you in full.

You have the right under 14 CFR §1206.700 to appeal this determination within 30 days from the date of this letter. Your appeal must be in writing and should be addressed to:

Administrator  
NASA Headquarters  
Executive Secretariat  
MS 9R17  
Washington, DC 20546  
ATTN: FOIA Appeals

The appeal should be marked "Appeal under the Freedom of Information Act" both on the envelope and the face of the letter. A copy of your initial request must be enclosed along with a copy of the adverse determination and any other correspondence with the FOIA office. In order to expedite the appellate process and ensure full consideration of your appeal, your appeal should contain a brief statement of the reasons you believe this initial decision to be in error.

Since the processing fees are less than \$50.00 they are not being charged in accordance with NASA FOIA regulations 14 CFR §1206.504(f).

I am the official responsible for the partial denial of your request. If I can be of further assistance, please contact me at [Jessica.A.Cordero@nasa.gov](mailto:Jessica.A.Cordero@nasa.gov) or (281) 483-8252.

Sincerely,



Jessica Cordero  
JSC FOIA Officer

Enclosures

**OBJECTIVE:**

To rapidly treat a severe allergic reaction.

**ITEMS:**

Gray Tape

Emergency Medical Treatment Pack (Red):

Epinephrine (EpiPen)

1. **DEPLOYING AND USING EPINEPHRINE (EPIPEN)**

- 1.1 Remove Epinephrine (EpiPen) from protective plastic tubing.  
(Figure 1)

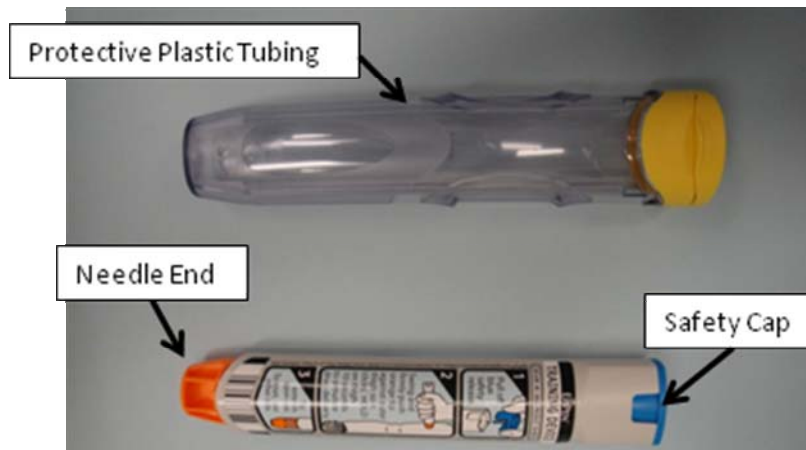


Figure 1.- Epinephrine (EpiPen).

- 1.2 Form a fist around Epinephrine (EpiPen) with thumb closest to safety cap.  
1.3 Activate auto injector by pulling off safety cap.  
(Figure 2)

**WARNING**

1. Do not put fingers over needle end of Epinephrine (EpiPen) to prevent injection into finger.
2. Do not give shot through clothing to prevent needle contamination.



Figure 2.- Activating Epinephrine (EpiPen).

- 1.4 Using a jabbing motion, press the needle end perpendicular to and firmly against patient's outer thigh until a click is heard or felt. Hold firmly against thigh for 10 seconds.  
(Figure 3)



Figure 3.- Positioning of Epinephrine (EpiPen).

- 1.5 Discard used Epinephrine (EpiPen) in original protective plastic tubing; secure in tube with Gray Tape and discard.  
Call **MCC-H** to request PMC.
- 1.6 Epinephrine (EpiPen) may be repeated every 20 minutes if symptoms recur or progress.
2. Go to [2.0.403 ALLERGIC REACTION](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

Updated via P&I in 44-0397

If one rescuer available

If two rescuers available

Rescuer 1

Rescuer 2

Deploy AED, then:

Go to [1.103 ALS ALGORITHM](#), block 1 (SODF: MED CL: EMERGENCY)

**1 ASSESS**

1. Assess environment for safety hazards.
2. Assess patient status.

Patient unresponsive and breathing normally

Patient unresponsive and not breathing or no normal breathing (only gasping)

**2 TRANSPORT / PROVIDE CARE**

1. Relocate to and restrain patient on the Crew Medical Restraint System.
2. Page additional crewmember for assistance.
3. Call **MCC-H** to request PMC.
4. Go to [1.103 ALS ALGORITHM](#), block 13, page 5, Respiratory Assessment (SODF: MED CL: EMERGENCY).

**3 PERFORM CPR**

- Perform 30 chest compressions for every 2 breaths (1 second each breath) for 5 cycles (approximately 2 minutes).

1. As required, relocate to and restrain patient on the Crew Medical Restraint System.
2. Page additional crewmember for assistance.
3. Call **MCC-H** to request PMC.

**4 DEPLOY AED**

1. Connect AED electrodes to patient's chest. (Figure 1)
2. AED 'ON' (green) → Press
3. Follow verbal prompts.
4. If verbal prompts inaudible, read prompts on screen.



Figure 1.- AED Electrode Placement.

**5 MONITOR PATIENT RESPONSE**

After AED prompts 'Start CPR'

- Perform a 10-second pulse check.

Is pulse detected?

**6 ASSIST PATIENT**

If patient begins spontaneous breathing or a pulse is detected

- Stop chest compressions.
- Assist breathing as necessary.

If second rescuer assisting

- Stop medication administration.

---

- Go to [1.103 ALS ALGORITHM](#), block 13, page 5, Respiratory Assessment (SODF: MED CL: EMERGENCY).

**7 PERFORM CPR**

- Perform 30 chest compressions for every 2 breaths (1 second each breath) until prompted by AED.
- Repeat block 5 after each 'Start CPR' prompt from AED.

**INTRAOSSSEOUS DEVICE INSERTION**

①

If two rescuers available
Rescuer 2
Rescuer 1

Go to [1.102 AED ASSISTED CPR](#), all (SODF: MED CL: EMERGENCY)

18 | 23

①

**1 | PREPARE INTRAOSSSEOUS DEVICE**

- Unstow  
Emergency Medical Treatment Pack (Red):  
Scissors - Trauma  
Intraosseous Device Start Kit:  
Intraosseous Injection Device  
IV Cap  
Medical Tape  
Syringe 10 mL
- Tear off two 10 cm pieces of Medical Tape and set aside.
- Attach IV Cap to Syringe. (Figure 1)
- Expose leg to knee [Scissors - Trauma].



Figure 1.- Syringe IV Cap Assembly.

**2 | IDENTIFY INTRAOSSSEOUS SITE**

- Place finger on bony protrusion identified by circle. (Figure 2)
- Move finger 2 cm towards the inner leg.
- Move finger 1 cm up towards knee, identified by "+". (Figure 2)



Figure 2.- Intraosseous Site.

3

①

If pulse returns, stop chest compressions and medication administration. Give breaths and go to block 13, page 5, Respiratory Assessment.

**1.103 ALS ALGORITHM**

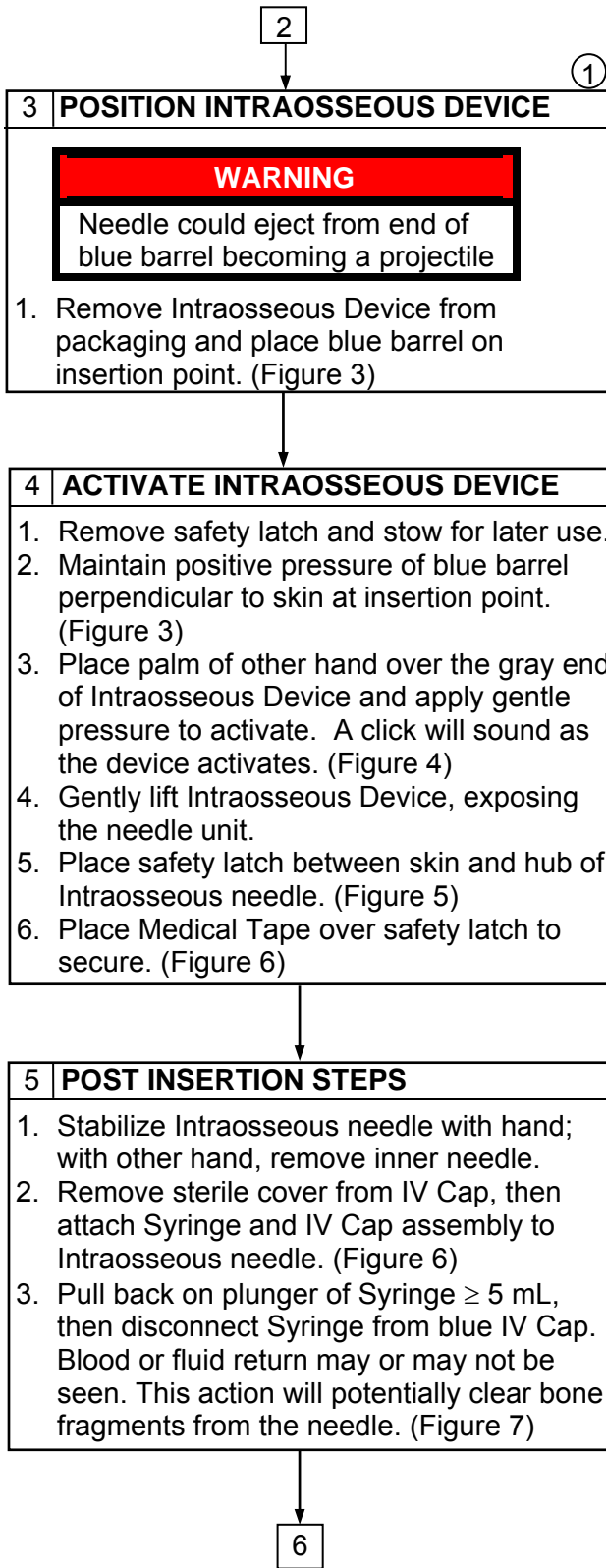


Figure 3.- Positioning Intraosseous Device.



Figure 4.- Activating Intraosseous Device.

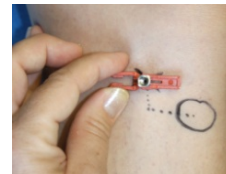


Figure 5.- Intraosseous Needle with Safety Latch in Place.



Figure 6.- Syringe Attached to Intraosseous Needle.



Figure 7.- Intraosseous Needle, Secured.

① If pulse returns, stop chest compressions and medication administration. Give breaths and go to block 13, page 5, Respiratory Assessment.



**1.103 ALS ALGORITHM**

**DRUG ADMINISTRATION**

5

①

**6 ADMINISTER EPINEPHRINE**

1. Retrieve Epinephrine from ALS Medication Kit [Emergency Medical Treatment Pack (Red)].
2. Prepare one Epinephrine Syringe. (Figure 8)
3. Attach to IV Cap on Intraosseous needle.
4. Administer contents of Syringe into Intraosseous needle.



Figure 8.- Epinephrine Syringes.

7 Did the medicine flow through the Intraosseous needle?

No

8

- Go to block 20, page 7, Intraosseous Needle Troubleshooting.

Yes

24

**9 ADMINISTER ATROPINE OR LIDOCAINE**

- Wait for next AED rhythm analysis.
- 
1. **If no shock advised**, administer Atropine.
    - (a) Prepare one Atropine Syringe [ALS Medication Kit].
    - (b) Attach Syringe to IV Cap on Intraosseous needle.
    - (c) Administer contents of Syringe into Intraosseous needle.
  2. **If shock advised**, administer Lidocaine.
    - (a) Prepare one Lidocaine Syringe [ALS Medication Kit].
    - (b) Attach Syringe to IV Cap on Intraosseous needle.
    - (c) Administer contents of Syringe into Intraosseous needle.

**10 ADMINISTER EPINEPHRINE**

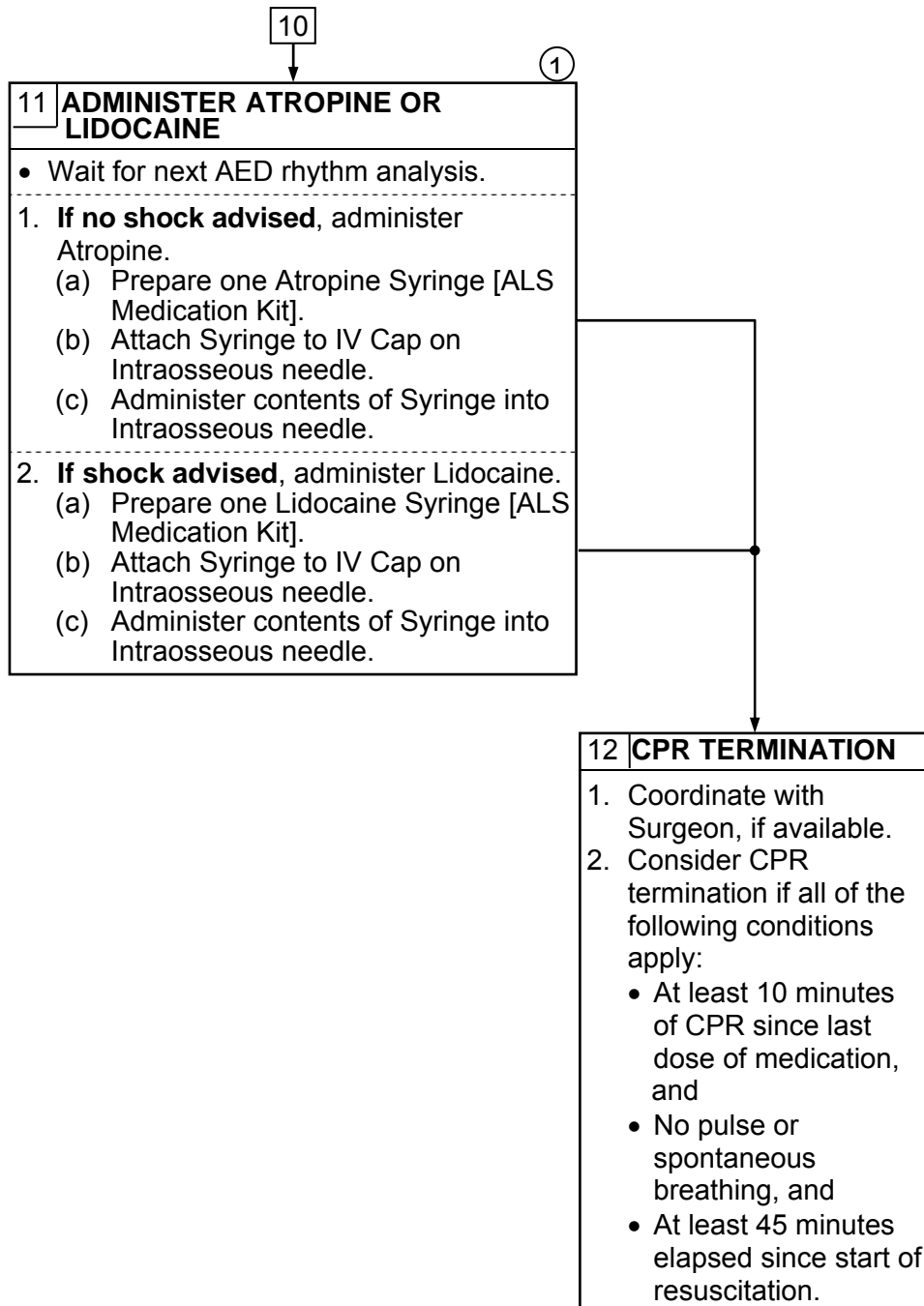
- Wait for next AED rhythm analysis.
- 
1. Prepare one Epinephrine Syringe [ALS Medication Kit].
  2. Attach to IV Cap on Intraosseous needle.
  3. Administer contents of Syringe into Intraosseous needle.

11

①

If pulse returns, stop chest compressions and medication administration. Give breaths and go to block 13, page 5, Respiratory Assessment.

**1.103 ALS ALGORITHM**



①  
If pulse returns, stop chest compressions and medication administration. Give breaths and go to block 13, page 5, Respiratory Assessment.

**1.103 ALS ALGORITHM**

**RESPIRATORY ASSESSMENT**

[1.102 AED ASSISTED CPR](#), all  
(SODF: MED CL: EMERGENCY)

②

**13 CHECK PATIENT RESPONSE**

Is patient awake and able to speak?

Yes

No

**14 ASSESS BREATHING**

Are any of the following true?

- Skin of lips, face, or hands blue/gray.
- Breathing rate < 12 or > 30 breaths per minute.
- Patient snoring or having difficulty inhaling.

No to all

Yes to any

**16 ASSIST BREATHING AND PROVIDE OXYGEN USING AMBU BAG**

1. Assist breathing using mouth to mouth breaths or AMBU Bag. (Administer breaths at a rate of one breath every 5 seconds).
2. Unstow Respiratory Support Pack
3. Locate Cue Card in lid pocket.
4. Provide oxygen using AMBU Bag by performing [3.201 RESPIRATORY SUPPORT PACK - CUE CARD](#), Oxygen Via AMBU Bag (SODF: MED CL: REFERENCE), then:

**15 PROVIDE OXYGEN WITH MASK**

1. Unstow Respiratory Support Pack
2. Locate Cue Card in lid pocket.
3. Provide oxygen by performing [3.201 RESPIRATORY SUPPORT PACK - CUE CARD](#), Oxygen Via Low Flow Non Rebreather Mask (SODF: MED CL: REFERENCE), then:

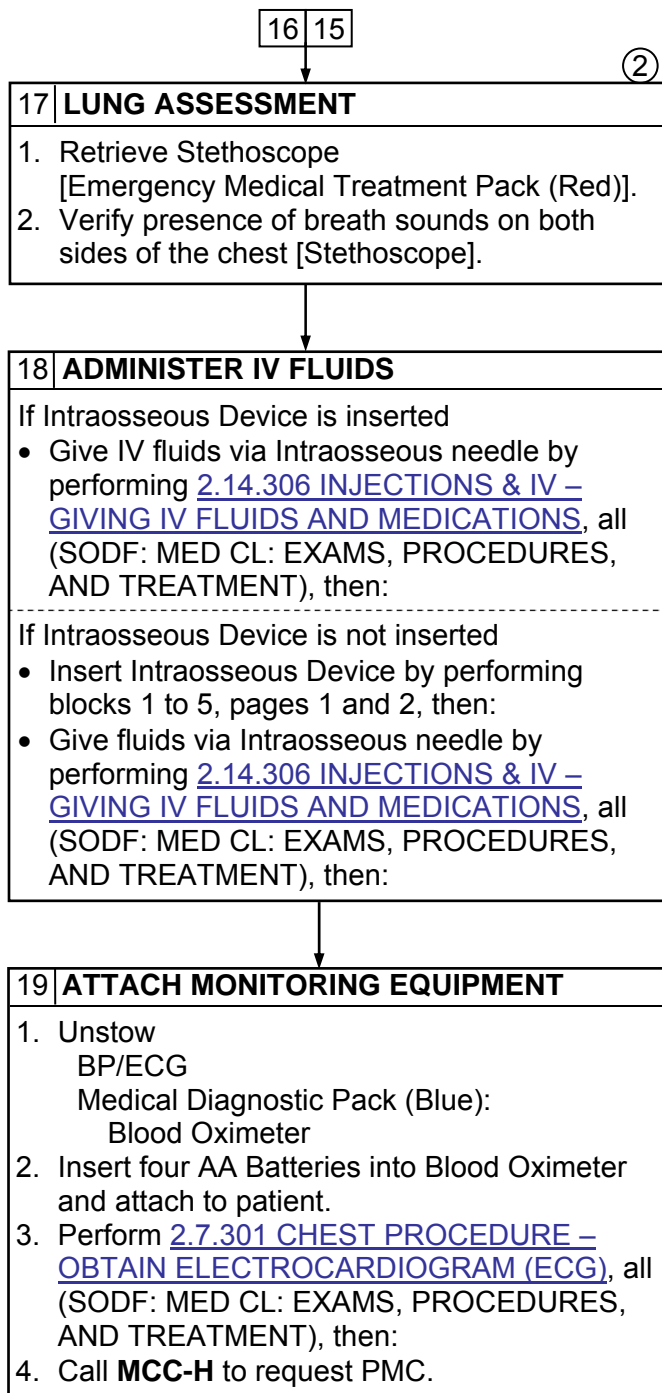
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17

②

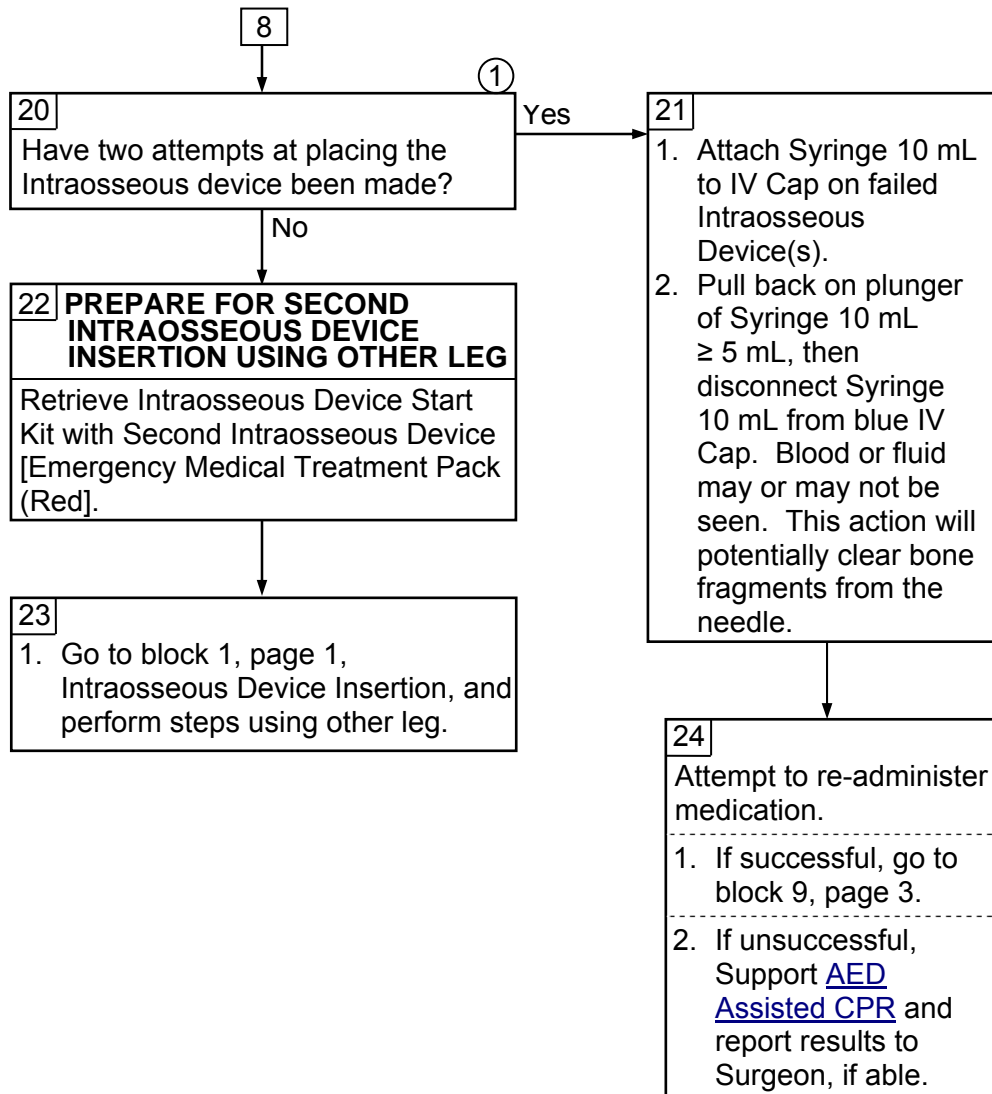
If AED advises 'PUSH SHOCK BUTTON', or pulse is not detected, follow AED prompts and go to block 1, page 1, Intraosseous Device Insertion.

**1.103 ALS ALGORITHM**



②  
If AED advises 'PUSH SHOCK BUTTON', or pulse is not detected, follow AED prompts and go to block 1, page 1, Intraosseous Device Insertion.

**INTRASOSSEOUS NEEDLE TROUBLESHOOTING**



①  
If pulse returns, stop chest compressions and medication administration. Give breaths and go to block 13, page 5, Respiratory Assessment.

## 1.104 AED TROUBLESHOOTING

(MED CL/HTV5 - ALL/FIN 1/Paper on ISS/T) Page 1 of 2 pages

### OBJECTIVE:

To identify problem conditions that may be encountered during use of the AED, and provide possible solutions.

Observation	Possible Cause	Action
CONNECT ELECTRODES voice prompt is heard	Poor AED Electrode-to-skin contact	<ol style="list-style-type: none"> <li>1. Firmly press AED Electrodes on patient's skin.</li> <li>2. If this does not correct problem and large amount of chest hair present Swiftly remove AED Electrodes and any attached chest hair.</li> <li>3. Place new set of AED Electrodes on chest.</li> </ol>
	AED Electrodes are dry or damaged	Replace the AED Electrode pads.
	AED Electrodes are not removed from the liner	Remove the AED Electrodes from the liner and apply them to the patient's chest.
CHECK CONNECTOR AND ELECTRODES voice prompt is heard	Connection to the AED is inadequate	Check to be sure that the AED Electrode connector is inserted completely.
MOTION DETECTED and STOP MOTION voice prompts are heard	Patient movement because of breathing	Check patient for normal breathing.
	CPR being performed during analysis	Stop CPR during analysis.
	Electrical/radio frequency interference	Move suspected devices away from the AED when possible.
STATUS DISPLAY is blank	The AED has been turned on	Normal condition when AED is in use
	LCD not operating properly	Notify <b>MCC-H</b> .
MAIN DISPLAY blank and ON LED lit	MAIN DISPLAY not functioning properly	<ol style="list-style-type: none"> <li>1. AED may still operate. If needed, continue to use device to treat patient.</li> <li>2. Notify <b>MCC-H</b>.</li> </ol>

## 1.104 AED TROUBLESHOOTING

(MED CL/HTV5 - ALL/FIN 1/Paper on ISS/T) Page 2 of 2 pages

Observation	Possible Cause	Action
AED does not deliver visual prompts, voice prompts, or auditory tones after it is powered on, or the voice prompts sound faint or distorted	Low AED Battery (one bar or less left in MAIN DISPLAY)	<ol style="list-style-type: none"> <li>1. Continue CPR if patient is not responding, not breathing normally, and showing no signs of circulation.</li> <li>2. Check Battery indicator in MAIN DISPLAY.</li> <li>3. Replace AED Battery at earliest opportunity.</li> <li>4. Notify <b>MCC-H</b>.</li> </ol> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;"><u>NOTE</u></p> <p>AED can deliver 30 shocks and 75 minutes of monitoring if Battery shows one bar in the MAIN DISPLAY.</p> </div>
REPLACE BATTERY voice prompt is heard or visual prompt is seen	Low AED Battery (one bar or less left in MAIN DISPLAY)	<ol style="list-style-type: none"> <li>1. Continue CPR if patient is not responding, not breathing normally, and showing no signs of circulation.</li> <li>2. Check Battery indicator in MAIN DISPLAY.</li> <li>3. Replace AED Battery at earliest opportunity.</li> <li>4. Notify <b>MCC-H</b>.</li> </ol>
AED cannot deliver the required shock  Flashing STATUS DISPLAY	Depleted AED Battery	<ol style="list-style-type: none"> <li>1. Continue CPR if patient is not responding, not breathing normally, and showing no signs of circulation.</li> <li>2. Replace AED Battery.</li> <li>3. Notify <b>MCC-H</b>.</li> </ol>

**1.105 CHOKING**

OBJECTIVE:

To rapidly clear airway obstruction.

Patient Choking

1 | CHECK PATIENT RESPONSE  
Is patient awake?

NO

YES

2 | PERFORM ABDOMINAL THRUSTS  
1. Position behind patient.  
2. Make fist.  
3. Place fist above belly button but below ribcage. (Figure 1)  
4. Pull sharply inward and upward.  
5. Repeat until object clears or patient becomes unconscious.

PATIENT BECOMES UNCONSCIOUS

3 | CLEAR AIRWAY / GIVE BREATHS

1. Open airway using Head tilt-Chin lift. (Figure 2)  
2. Inspect for foreign object and remove, if easily accessible.  
3. Pinch nose and attempt to give breaths.

Go to [1.102 AED ASSISTED CPR](#), all (SODF: MED CL: EMERGENCY).

OBJECT CLEARS

4 | OBTAIN VITAL SIGNS  
1. Unstow Medical Diagnostic Pack (Blue):  
Blood Pressure Cuff (select appropriate size)  
Blood Pressure Monitor  
2. Take pulse, respiratory rate, and blood pressure.  
3. Record data for later reporting to Surgeon.

5 | CONSULT SURGEON  
• Call **MCC-H** to request PMC.

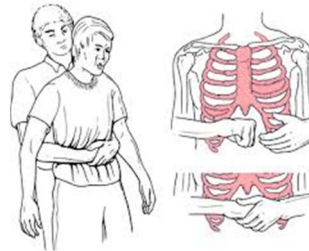


Figure 1.- Abdominal Thrust.

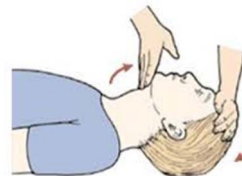


Figure 2.- Head Tilt-Chin Lift.



## 1.106 TOXIC EXPOSURE

(MED CL/HTV5 - ALL/FIN 3/Paper on ISS/T)

Page 1 of 2 pages

### OBJECTIVE:

To decontaminate and treat after toxic exposure.

### ITEMS:

Drink Bag

Towel

### TOOLS:

Digital Camera

#### 1. RESCUER SAFETY

To minimize the number of crew exposed, take respiratory, eye, and skin precautions prior to removing patient from exposure.

#### 2. DECONTAMINATING PATIENT

##### 2.1 Skin Exposure

Quickly remove soiled clothes.

Brush off visible particulate and wipe liquids off patient with Towel.

Irrigate contaminated areas with water.

##### 2.2 Eye Exposure

If wearing contact lenses

| Remove and discard.

If eye exposure occurs

| Immediately flush with water from Drink Bag.

| Configure eyewash station in the SM at the CBO-3B port, then irrigate eye until pain resolves or directed to stop by Surgeon.

| If required, refer to [2.3.304 EYE PROCEDURE - EYEWASH KIT USE](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

##### 2.3 Respiratory Exposure

If difficulty breathing

| Perform [1.108 DIFFICULTY BREATHING](#), all (SODF: MED CL: EMERGENCY PROCEDURES), then:

#### 3. PERFORMING EXAM

3.1 Call **MCC-H** to request PMC.

## 1.106 TOXIC EXPOSURE

(MED CL/HTV5 - ALL/FIN 3/Paper on ISS/T)

Page 2 of 2 pages

### 3.2 If comm unavailable

For eye exposure

Perform [2.3.101 EYE EXAM - GENERAL EXAM](#), steps 1 to 5  
(SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT),  
then:

For all other exposures

Perform [2.0.105 EXAM – SICK CALL](#), all (SODF: MED CL: EXAMS,  
PROCEDURES, AND TREATMENT), then:

## 4. [OBTAINING HISTORY](#)

Collect information regarding exposures to chemicals, medication, or other new exposures.

## 5. [PHOTO DOCUMENTING](#)

### NOTE

It is important to keep individuals' data separate by making separate folders that are labeled with crew name and GMT day.

5.1 Photo document affected body parts [Digital Camera].

5.2 Downlink photos for Surgeon.

If required, refer to [1.480 D4 SETUP – MEDICAL IMAGERY](#), all (SODF: ISS  
PTV: NIKON D4).

## 1.107 SEIZURE

(MED CL/HTV5 - ALL/FIN 3/Paper on ISS/T)

Page 1 of 3 pages

### OBJECTIVE:

To give medication to suppress seizure activity. Seizures will cause loss of consciousness and uncontrolled muscle contraction.

### ITEMS:

AA Batteries (four)

Respiratory Support Pack

Medical Diagnostic Pack (Blue):

Blood Oximeter

Oral Medication Pack (Purple):

Phenytoin (Dilantin ER)

Topical & Injectable Medication Pack (Brown):

Diazepam (Valium)

### TOOLS:

Digital Camera

#### 1. PROTECTING FROM INJURY

Protect patient from injury by preventing impact of the body with hard structures. Attempt to locate the patient in the center of a module away from structures.

#### NOTE

1. Never attempt to pry open or put anything in the mouth during a seizure.
2. Seizures typically last less than a minute.

#### 2. ADMINISTERING INTRAMUSCULAR SHOT

#### NOTE

Step 2 and step 3 may be performed in parallel if multiple CMOs are available.

##### 2.1 Configure Medication for Injection

Prepare 2 mL Diazepam (Valium) 5 mg/mL for a total of 10 mg [Topical & Injectable Medication Pack (Brown)].

If Diazepam (Valium) supplied in a prefilled syringe

Perform [2.14.302 INJECTIONS AND IV – MEDICINE PREPARATION FOR INJECTION](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT), then:

Go to step 2.2.

If Diazepam (Valium) supplied in a vial

Perform [2.14.303 INJECTIONS AND IV - DRAWING UP MEDICINE FROM VIAL](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT), then:

Go to step 2.2.

### 2.2 Administer Injection of Medication

Give 2 mL intramuscular shot of Diazepam (Valium) 5 mg/mL.

If required, refer to [2.14.304 INJECTIONS AND IV - INTRAMUSCULAR SHOT](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

If seizure continues for > 5 minutes or for repeated seizures, repeat medication administration in 10 minutes.

## 3. APPLYING BLOOD OXIMETER

Batteries →|← Blood Oximeter [Medical Diagnostic Pack (Blue)]

√Blood Oximeter Sensor →|← Blood Oximeter

pb Power → Press

pb [Display] → Press until red dot is shown over SpO2 in top display window

Record SpO2 reading from display.

pb Power → Press and hold

If required, refer to [2.0.305 PROCEDURE - BLOOD OXIMETER USE](#), steps 2.4 through 3 (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

## 4. ADMINISTERING OXYGEN AND OBTAINING IV ACCESS

### 4.1 Administer Oxygen

Retrieve Respiratory Support Pack.

Locate Cue Card in lid pocket.

Provide oxygen via Low Flow Non-Rebreather Mask.

Perform [3.201 RESPIRATORY SUPPORT PACK - CUE CARD](#), Oxygen via Low Flow Non-Rebreather Mask (SODF: MED CL: REFERENCE), then:

## 1.107 SEIZURE

(MED CL/HTV5 - ALL/FIN 3/Paper on ISS/T)

Page 3 of 3 pages

### 4.2 Obtain IV Access

Perform [2.14.305 INJECTIONS AND IV - IV ACCESS](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT), then:

## 5. PERFORMING A TARGETED PHYSICAL EXAM

### NOTE

After a seizure, the patient will be confused for several minutes.

Examine the head, extremities, teeth and tongue for injuries.

## 6. PHOTO DOCUMENTING INJURIES WITH DIGITAL CAMERA

Photo document any injuries [Digital Camera].

## 7. ADMINISTERING MEDICATION

7.1 Call **MCC-H** to request PMC.

7.2 When awake, coherent, and able to swallow, give one capsule of Phenytoin (Dilantin ER) by mouth, as directed by Surgeon [Oral Medication Pack (Purple)].

7.3 After two hours, give a second dose of Phenytoin (Dilantin ER) by mouth, or as directed by Surgeon.

## 8. OBTAINING HISTORY

8.1 Collect information about the seizure event and the use of medications.

### NOTE

It is important to keep individuals' data separate by making separate folders that are labeled with crew name and GMT day.

8.2 Downlink photos for Surgeon.

If required, refer to [1.480 D4 SETUP – MEDICAL IMAGERY](#), all (SODF: ISS PTV: NIKON D4).

## 9. DIRECTION FROM SURGEON

When directed by Surgeon

Batteries ←|→ Blood Oximeter and restow

## 1.108 DIFFICULTY BREATHING

(MED CL/HTV5 - ALL/FIN 2/Paper on ISS/T)

Page 1 of 3 pages

### OBJECTIVE:

To evaluate and start treatment for difficulty breathing.

### ITEMS:

AA Batteries (four)

Respiratory Support Pack

### Medical Diagnostic Pack (Blue):

Blood Oximeter

Blood Pressure Cuff (select appropriate size)

Blood Pressure Monitor

Stethoscope

### Topical & Injectable Medication Pack (Brown):

Albuterol (Proventil HFA)

## 1. STARTING TREATMENT

### 1.1 Count Pulse and Respiratory Rate

Measure each by counting for 15 seconds and multiplying by four.  
Record data for later reporting to Surgeon.

### 1.2 Administer Oxygen

Retrieve Respiratory Support Pack.

Locate Cue Card in lid pocket.

Provide oxygen via Low Flow Non-Rebreather Mask.

Perform [3.201 RESPIRATORY SUPPORT PACK - CUE CARD](#), Oxygen via  
Low Flow Non-Rebreather Mask (SODF: MED CL: REFERENCE), then:

### 1.3 Administer Inhaled Albuterol (Proventil HFA)

Shake the Albuterol (Proventil HFA) Inhaler to mix medication and then  
remove cap [Topical & Injectable Medication Pack (Brown)].

Have patient fully exhale and place inhaler in mouth.

Have patient begin to inhale slowly through the mouth and then activate the  
inhaler.

Have patient hold breath for 8 to 10 seconds before exhaling.

Deliver a second dose.

## 1.108 DIFFICULTY BREATHING

(MED CL/HTV5 - ALL/FIN 2/Paper on ISS/T)

Page 2 of 3 pages

### 2. APPLYING BLOOD OXIMETER

Batteries →|← Blood Oximeter [Medical Diagnostic Pack (Blue)]

√Blood Oximeter Sensor →|← Blood Oximeter

pb Power → Press

pb [Display] → Press until red dot is shown over SpO2 in top display window

Record SpO2 reading from display.

pb Power → Press and hold

If required, refer to [2.0.305 PROCEDURE- BLOOD OXIMETER USE](#), steps 2.4 through 3 (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

### 3. PERFORMING AIRWAY EXAM

#### 3.1 Inspect Airway

Inspect the mouth and nose, neck and chest looking for changes in normal anatomy and for increased secretions. Look for increased work of breathing.

#### 3.2 Assess Lungs

Listen to the lungs on both sides of the chest, front and back [Stethoscope].

Are lung sounds present? Are they of a higher or lower pitch than normal?

If required, refer to [2.0.302 PROCEDURE - STETHOSCOPE USE](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

3.3 Record data for later reporting to Surgeon.

### 4. OBTAINING BLOOD PRESSURE

Blood Pressure Cuff →|← Blood Pressure Monitor [Medical Diagnostic Pack (Blue)]

Blood Pressure Cuff →|← bare arm (using placement markings as guidelines)

pb [On/Off] → Press

Record pulse and blood pressure from display.

If required, refer to [2.0.304 PROCEDURE - BLOOD PRESSURE MONITOR USE](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

### 5. OBTAINING HISTORY

5.1 Collect information about the events related to development of symptoms, use of medications, history of fever and cough, and difficulty of breathing severity.

5.2 Call **MCC-H** to request PMC.

## **1.108 DIFFICULTY BREATHING**

(MED CL/HTV5 - ALL/FIN 2/Paper on ISS/T)

Page 3 of 3 pages

### **6. DIRECTION FROM SURGEON**

When directed by Surgeon

Batteries ←|→ Blood Oximeter and restow



OBJECTIVE:

Demonstrate anatomy of mouth and teeth.

1. IDENTIFYING ANATOMICAL LANDMARKS

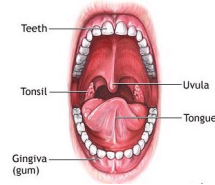


Figure 1. Mouth Anatomy.

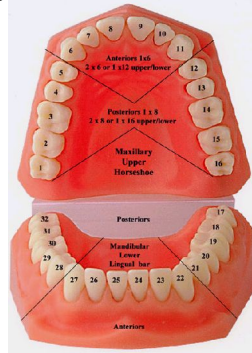


Figure 2. Tooth Numbering.

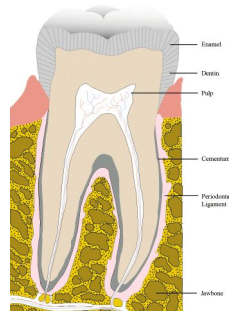


Figure 3. Tooth Anatomy.

## 2.6.101 MOUTH EXAM

(MED CL/E44 - ALL/FIN 4/T)

Page 1 of 1 page

### OBJECTIVE:

To perform an examination of the mouth and teeth.

### TOOLS:

Digital Camera

SSC

#### 1. PERFORMING EXAM

Inspect mouth and photo document [Digital Camera].

To view anatomic reference images of the mouth and teeth, refer to [Mouth Anatomy](#).

SSC

Downlink photos for Surgeon.

If required, refer to [1.480 D4 SETUP - MEDICAL IMAGERY](#), all (SODF: ISS PTV: NIKON D4).

## 2.6.301 DENTAL PROCEDURE - NERVE BLOCK

(MED CL/SpX-6 - ALL/FIN 1/T)

Page 1 of 3 pages

### OBJECTIVE:

To place a nerve block for dental procedures.

### ITEMS:

LED Head Lamp P/N SEZ33103989-301

#### Medical Supply Pack (Green):

Gauze 4"x4"

Medical Tape

Needle 25G

Nitrile Gloves (select appropriate size)

Syringe 10 mL

#### Minor Treatment Pack (Pink):

Sharps Container

#### Topical & Injectable Medication Pack (Brown):

Benzocaine Swabstick

Lidocaine (Xylocaine)

### 1. PREPARING A WORKSPACE

Create workstation using Gray Tape and temporarily stow hardware on tape.  
Use Ziplock Bag for trash stowage during procedure.

2. Place a Benzocaine Swabstick topical numbing stick on injection site [Topical & Injectable Medication Pack (Brown)].  
Leave in place for 5 to 10 minutes prior to injections.

### 3. CONFIGURING SYRINGE FOR DENTAL INJECTION

#### NOTE

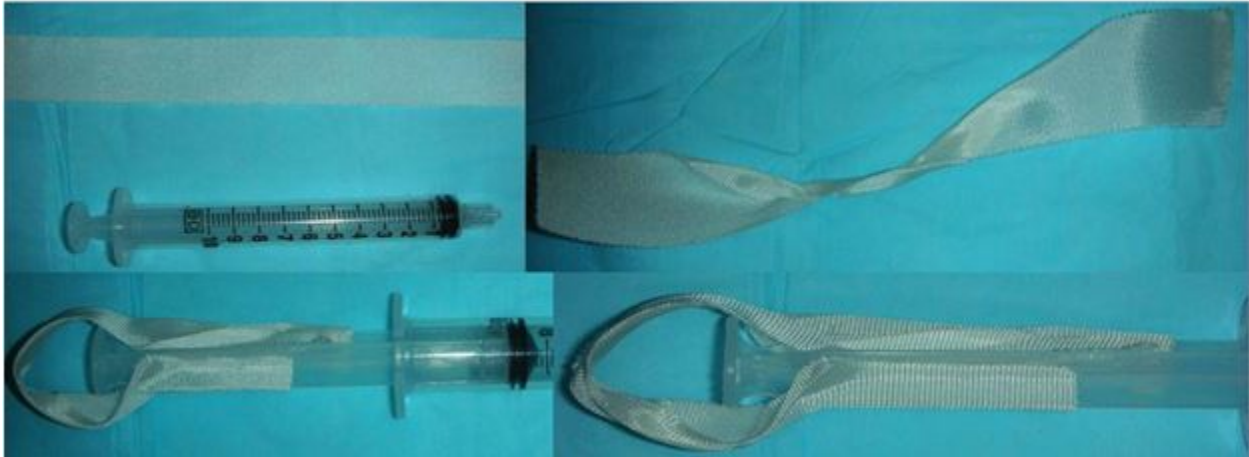
1. A standard Syringe 10 mL will be modified to allow for one-handed aspiration (or pulling back on plunger).
2. Aspiration allows operator to make sure the needle is not in a blood vessel.

- 3.1 Tear off an 8-inch strip of Medical Tape [Medical Supply Pack (Green)].  
Twist the middle of the tape around itself.  
Pull plunger out of syringe.  
Apply the ends of the tape to the plunger.  
([Figure 1](#))

## 2.6.301 DENTAL PROCEDURE - NERVE BLOCK

(MED CL/SpX-6 - ALL/FIN 1/T)

Page 2 of 3 pages



**Figure 1. Modification to Make Aspirating Syringe.**

3.2 Draw up 10 mL of Lidocaine (Xylocaine) into Syringe 10 mL.  
If required, refer to [2.14.303 INJECTIONS AND IV - DRAWING UP MEDICINE FROM VIAL](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

#### 4. PREPARING PATIENT

Don Nitrile Gloves and LED Headlamp for adequate lighting.

Pack Gauze 4"x4" between gum and teeth to assist in visualizing injection location.

#### 5. SELECTING INJECTION LOCATION

If using upper nerve block

| Go to [step 5.1](#).

If using lower nerve block

| Go to [step 5.2](#).

##### 5.1 Upper Injection Technique

Needle 25G →|← Syringe 10 mL

Remove needle cap and temporarily stow on workspace.

Place needle at height of moveable membrane (mucobuccal fold) above fixed gum tissue.

([Figure 2](#))



**Figure 2. Upper Nerve Block.**

Insert needle, directing needle toward root of tooth to be anesthetized.

Gently pull back on syringe plunger and inspect chamber to ensure no blood in chamber.

Inject 2 to 3 mL of Lidocaine (Xylocaine) directly over the root of the tooth.

Withdraw needle; recap it using one-handed technique and temporarily stow.

## 2.6.301 DENTAL PROCEDURE - NERVE BLOCK

(MED CL/SpX-6 - ALL/FIN 1/T)

Page 3 of 3 pages

Wait 5 minutes. Pain should subside.

If pain does not subside

| Repeat step 5.1.

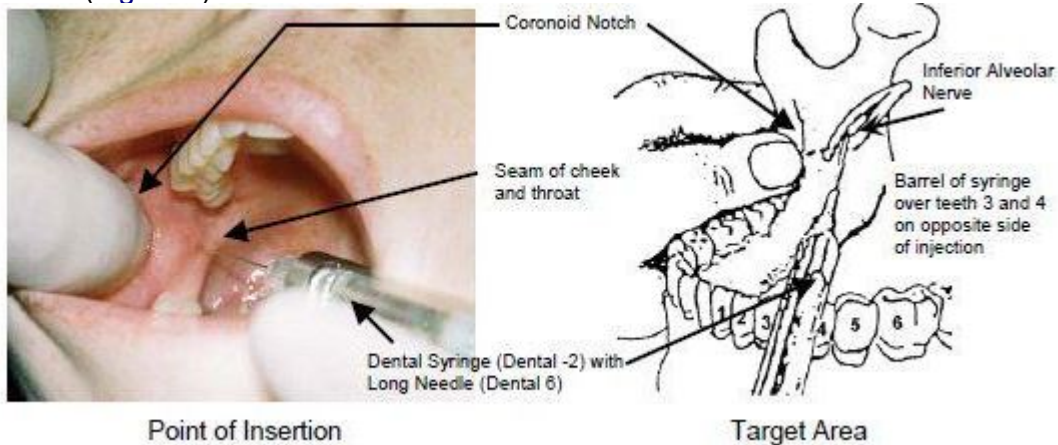
### 5.2 Lower Injection Technique

Needle 25G →|← Syringe 10 mL

Remove needle cap and temporarily stow.

Place thumb in deepest portion of coronoid notch.

(Figure 3)



**Figure 3. Lower Nerve Block.**

Insert needle just anterior at point where seam between cheek and throat turns upward toward maxilla.

(Figure 3)

#### NOTE

Barrel of syringe is kept over teeth 3 and 4 on opposite side of injection.

Insert needle until bone is contacted (and only 5 to 10 mm of needle is left exposed.)

If no bone contact

| Withdraw needle slightly, reposition needle with syringe barrel over teeth 4 and 5.

If bone is contacted and more than 5 to 10 mm of needle exposed

| Reposition needle with syringe barrel over teeth 2 and 3.

Gently pull back on syringe plunger and inspect chamber to ensure no blood in chamber.

Inject 2 to 3 mL of Lidocaine (Xylocaine) directly over the root of the tooth.

Withdraw needle; recap it using one-handed technique and temporarily stow.

Wait 5 minutes. Pain should subside.

If pain does not subside

| Repeat step 5.2.

Place used hardware, contaminated gloves, and packaging materials in Ziplock Bag and discard.

## 2.6.302 DENTAL PROCEDURE - TEMPORARY DENTAL FILLING

(MED CL/E44 - ALL/FIN 4/T)

Page 1 of 2 pages

### OBJECTIVE:

To repair dental filling.

### ITEMS:

#### Medical Supply Pack:

Nitrile Gloves (select appropriate size)

Gauze 4"x4"

#### Topical & Injectable Medication Pack:

Temporary Tooth Filling

#### Minor Treatment Pack:

Dental Tools Kit

### TOOLS:

Digital Camera

SSC

#### 1. PHOTO DOCUMENTING DENTAL FILLING

Photo document tooth and displaced dental filling [Digital Camera].

To view anatomic reference images of the mouth and teeth, refer to [Mouth Anatomy](#).

If required, refer to [1.480 D4 SETUP - MEDICAL IMAGERY](#), all (SODF: ISS PTV: NIKON D4).

#### 2. REPLACING DENTAL FILLING

2.1 Don Nitrile Gloves (select appropriate size).

Inspect tooth for debris and remove any debris found.

Have subject brush teeth to assist in any debris removal.

2.2 Puncture end of Temporary Tooth Filling.

Squeeze Temporary Tooth Filling material onto finger.

Roll material into a ball.

2.3 Place Temporary Tooth Filling into the tooth cavity and gently form to tooth.

Wipe off excess with Gauze 4"x4".

Have subject firmly bite down on Temporary Tooth Filling for 2 minutes, allowing the Temporary Tooth Filling to form to the surfaces of the tooth and to harden.

Adjust filling by removing and smoothing excess filling using Gauze 4"x4" and Dental Carver File (G).

Filling will achieve initial set in 5 minutes.

Subject may resume drinking in approximately 1 hour.

Limit solid or hard food consumption on the affected side of the mouth for first 12 to 24 hours as filling hardens.

#### NOTE

It is important to keep individuals' data separate by making separate folders that are labeled with crewname and GMT day.

## 2.6.302 DENTAL PROCEDURE - TEMPORARY DENTAL FILLING

(MED CL/E44 - ALL/FIN 4/T)

Page 2 of 2 pages

### 3. PHOTO DOCUMENTING REPAIR

3.1 Photo document tooth and repaired filling [Digital Camera].  
To view anatomic reference images of the mouth and teeth, refer to [Mouth Anatomy](#).

SSC

3.2 Downlink photos for Surgeon.  
If required, refer to [1.480 D4 SETUP - MEDICAL IMAGERY](#), all (SODF: ISS PTV: NIKON D4).

## 2.6.303 DENTAL PROCEDURE - DENTAL CROWN REPLACEMENT

(MED CL/E44 - ALL/FIN 4/T)

Page 1 of 3 pages

### OBJECTIVE:

To replace an intact dental crown.

### ITEMS:

Ziplock Bag, for trash

Ziplock Bag, Small

#### Medical Supply Pack:

Gauze 4"x4"

Nitrile Gloves (select appropriate size)

#### Topical & Injectable Medication Pack:

Dental Adhesive Tip

Dental Adhesive

#### Minor Treatment Pack:

Dental Tools Kit

### TOOLS:

Digital Camera

SSC

#### 1. PHOTO DOCUMENTING LOST CROWN

Photo document tooth and broken fragment [Digital Camera].

To view anatomic reference images of the mouth and teeth, refer to [Mouth Anatomy](#).

If required, refer to [1.480 D4 SETUP - MEDICAL IMAGERY](#), all (SODF: ISS PTV: NIKON D4).

If no dental pain or sensitivity

Place crown in a Ziplock Bag and stow in a known location in sleep station.

Go to [step 4](#).

If dental pain or sensitivity present

Go to [step 2](#).

#### 2. PREPARING EQUIPMENT

Create workstation using Gray Tape and temporarily stow hardware on tape.

##### 2.1 Preparing Dental Adhesive

To review additional use information on this product, refer to [Dental Adhesive Use](#).

Remove Dental Adhesive from packaging.

Remove cap from Dental Adhesive (↺).

Press on the plunger to dispense small amount of material onto a Gauze 4"x4", ensuring flow from both chambers of the Dental Adhesive syringe.

Wipe residual material away from syringe.

Align v-shaped notches on the Dental Adhesive syringe and Dental Adhesive Tip.

Dental Adhesive →|← Dental Adhesive Tip (↺)

([Figure 1](#) and [Figure 2](#))





Figure 1. Dental Adhesive Equipment.



Figure 2. Connecting Dental Tip.

### 3. REPLACING DENTAL CROWN

Don Nitrile Gloves.

#### 3.1 Preparing Loose Crown

Remove residual cement from crown and tooth utilizing Dental Carver File (G).

Carefully check fit of crown by placing on tooth and having subject bite down.

Remove crown and dry off with Gauze 4"x4".

Temporarily stow crown in Gauze 4"x4".

#### 3.2 Replacing Crown

Coat the surfaces of the crown that will contact tooth with Dental Adhesive.

Place crown over tooth, ensuring proper orientation.

Place a Cotton Swab over crown and have subject gently bite down on Cotton Swab and crown for 3 to 5 seconds to fully seat the crown.

Remove Cotton Swab and have subject bite down a second time to determine if crown is fully seated.

#### 3.3 Confirming Crown Placement

If crown fully seated

Place Cotton Swab back over crown and have subject bite down and apply moderate pressure for 2 to 3 minutes.

If crown not fully seated

~

## 2.6.303 DENTAL PROCEDURE - DENTAL CROWN REPLACEMENT

(MED CL/E44 - ALL/FIN 4/T)

Page 3 of 3 pages

~  
Carefully remove crown by prying up at crown margins with Dental Crown Remover (D).  
Repeat steps 3.1 to 3.3.

Gently clean remaining cement from around gums with Dental Explorer Probe (E) and dental floss.

### NOTE

It is important to keep individuals' data separate by making separate folders that are labeled with crewname and GMT day.

#### 4. PHOTO DOCUMENTING REPAIR

Photo document tooth and repaired crown [Digital Camera].

Downlink photos for Surgeon.

If required, refer to [1.480 D4 SETUP - MEDICAL IMAGERY](#), all (SODF: ISS PTV: NIKON D4).

SSC

## 2.6.304 DENTAL PROCEDURE - EXPOSED DENTAL PULP

(MED CL/E44 - ALL/FIN 5/T)

Page 1 of 2 pages

### OBJECTIVE:

To treat a fractured tooth showing exposed pulp.

### ITEMS:

Ziplock Bag, 12"x12" for trash

#### Convenience Medication Pack (White):

Ibuprofen (Motrin)

#### Medical Supply Pack (Green):

Gauze 4"x4"

Nitrile Gloves (select appropriate size)

#### Oral Medication Pack (Purple):

Hydrocodone and Acetaminophen (Vicodin HP)

#### Topical & Injectable Medication Pack (Brown):

Eugenol

### TOOLS:

Digital Camera

SSC

### 1. PHOTO DOCUMENTING BROKEN TOOTH

- 1.1 Photo document tooth and broken fragment [Digital Camera].  
To view anatomic reference images of the mouth and teeth, refer to [Mouth Anatomy](#).

SSC

- 1.2 Downlink photos for Surgeon.  
If required, refer to [1.480 D4 SETUP - MEDICAL IMAGERY](#), all (SODF: ISS PTV: NIKON D4).

2. Take two (2) tablets Ibuprofen (Motrin) (400mg per tablet) [Convenience Medication Pack (White)] and one (1) tablet Hydrocodone and Acetaminophen (Vicodin HP) (10mg/300mg per tablet) [Oral Medication Pack (Purple)] for pain control.

If required, refer to [2.0.402 TREATING PAIN](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

Consult with Surgeon on type of block to place.

Perform [2.6.301 DENTAL PROCEDURE - NERVE BLOCK](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT), then:

### 3. TREATING WITH EUGENOL

#### **WARNING**

Minimize contact between the Eugenol and skin or gums to prevent tissue damage.

- 3.1 Don Nitrile Gloves.  
Moisten a small portion of a Gauze 4"x4" with Eugenol [Topical & Injectable Medication Pack (Brown)].

## 2.6.304 DENTAL PROCEDURE - EXPOSED DENTAL PULP

(MED CL/E44 - ALL/FIN 5/T)

Page 2 of 2 pages

Squeeze excess Eugenol out of Gauze 4"x4" onto a second piece of Gauze 4"x4" or a Dry Wipe.

- 3.2 Place moistened portion of Gauze 4"x4" over exposed pulp. Have patient hold gauze with teeth for 1 to 2 minutes.
- 3.3 Additional placement of Eugenol should not require additional local anesthesia.
4. Avoid chewing on affected side and keep food out of cavity.

## 2.6.305 DENTAL PROCEDURE - LOSS OF TOOTH

(MED CL/E44 - ALL/FIN 5/T)

Page 1 of 1 page

### OBJECTIVE:

To stop bleeding and control pain.

### ITEMS:

#### Convenience Medication Pack (White):

Ibuprofen (Motrin)

#### Medical Supply Pack (Green):

Gauze 4"x4"

#### Oral Medication Pack (Purple):

Hydrocodone and Acetaminophen (Vicodin HP)

### TOOLS:

Digital Camera

SSC

#### 1. CONTROLLING BLEEDING

Apply direct pressure to the tooth socket with Gauze 4"x4".  
Hold continuous pressure until bleeding stops.

#### 2. TREATING PAIN

Take two (2) tablets Ibuprofen (Motrin) (400 mg per tablet) [Convenience Medication Pack (White)] and one (1) tablet Hydrocodone and Acetaminophen (Vicodin HP) (10 mg/300 mg per tablet) [Oral Medication Pack (Purple)] for pain control.

If required, refer to [2.0.402 TREATING PAIN](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

If pain severe or immediate relief required

Perform [2.6.301 DENTAL PROCEDURE - NERVE BLOCK](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT), then:

3. Place tooth in Ziplock Bag and temporarily stow.

#### 4. PHOTO DOCUMENTING BROKEN TOOTH

4.1 Photo document tooth and mouth [Digital Camera].

To view anatomic reference images of the mouth and teeth, refer to [Mouth Anatomy](#).

SSC

4.2 Downlink photos for Surgeon.

If required, refer to [1.480 D4 SETUP - MEDICAL IMAGERY](#), all (SODF: ISS PTV: NIKON D4).

5. Discard Ziplock Bag.

## 2.6.401 DENTAL TREATMENT - TOOTH PAIN

(MED CL/SpX-6 - ALL/FIN 2/T)

Page 1 of 1 page

### OBJECTIVE:

To treat dental pain.

### ITEMS:

Convenience Medication Pack (White):

Ibuprofen (Motrin)

Oral Medication Pack (Purple):

Hydrocodone and Acetaminophen (Vicodin HP)

#### 1. TREATING PAIN

##### Take Medication

Take two (2) tablets Ibuprofen (Motrin) (400 mg per tablet) [Convenience Medication Pack (White)] and one (1) tablet Hydrocodone and Acetaminophen (Vicodin HP) (10 mg/300 mg per tablet) [Oral Medication Pack (Purple)] for pain control.

If required, refer to [2.0.402 TREATING PAIN](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

If pain severe or immediate relief required

Go to [2.6.301 DENTAL PROCEDURE - NERVE BLOCK](#), all (SODF: MED CL: EXAMS, PROCEDURES, AND TREATMENT).

### **3.001 MEDICAL KIT- CONTENTS AND REFERENCE**

(MED CL/SpX-6 - ALL/FIN/T) Page 1 of 27 pages

#### OBJECTIVE:

To provide a contents list of each medical pack including medications, potential medication side effects, other contents, locations, and supportive information.

[Table 1. Convenience Medication Pack \(White\)](#)

[Table 2. Emergency Medical Treatment Pack - Medications \(Red\)](#)

[Table 3. Emergency Medical Treatment Pack - Other Contents \(Red\)](#)

[Table 4. IV Supply Pack \(Gray\)](#)

[Table 5. Medical Diagnostic Pack \(Blue\)](#)

[Table 6. Medical Supply Pack \(Green\)](#)

[Table 7. Minor Treatment Pack \(Pink\)](#)

[Table 8. Oral Medication Pack \(Purple\)](#)

[Table 9. Physician Equipment Pack \(Yellow\)](#)

[Table 10. Topical & Injectable Medication Pack - Medications \(Brown\)](#)

[Table 11. Topical & Injectable Medication Pack - Other Contents \(Brown\)](#)

### 3.001 MEDICAL KIT- CONTENTS AND REFERENCE

(MED CL/SpX-6 - ALL/FIN/T)

Page 2 of 27 pages

Table 1. Convenience Medication Pack (White)

Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
<b>Antibiotic</b>							
Bacitracin	500 units/gm, 0.9 gm	Topical	30	unit dose pack	No significant side effects		Spine
<b>Antidiarrheal</b>							
Loperamide (Imodium)	2 mg	Oral	40	tablet	Abdominal discomfort, nausea, vomiting, constipation, drowsiness, dizziness, dry mouth	Use for nonbloody diarrhea. No more than 8 tablets every 24 hours.	B2
<b>Antihistamine</b>							
Fexofenadine (Allegra)	180 mg	Oral	100	tablet	Headache, vomiting, fatigue, somnolence, dizziness, fever, pain, drowsiness, diarrhea, nausea, upset stomach, muscle aches, back pain, pain in extremities	Do not use with other antihistamines. Do not drink grapefruit juice 1 hour before or 2 hours after taking the medication.	B2
Loratadine (Claritin)	10 mg	Oral	375	tablet	Headache, drowsiness, dizziness, fatigue, dry mouth		A2
Olopatadine (Pataday)	0.2 %, 2.5 mL	Eye	6	bottle	Blurred vision, eye pain, stinging, burning, headache	Remove contact lenses before use. After instilling drops, wait at least 10 minutes before inserting contact lenses.	A3



### 3.001 MEDICAL KIT- CONTENTS AND REFERENCE

(MED CL/SpX-6 - ALL/FIN/T)

Page 3 of 27 pages

Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
<b>Decongestant</b>							
Oxymetazoline (Afrin)	0.05 %, 15 mL	Intranasal	10	bottle	Transient burning, stinging, dryness of the nasal mucosa, sneezing, cough	Do not use more than 3 consecutive days. Rebound congestion with prolonged use.	A1
Pseudoephedrine (Sudafed 12 Hour)	120 mg	Oral	100	tablet	Dizziness, rapid heart rate, high blood pressure, restlessness, tremor, headache, loss of appetite, may impair ability to concentrate, dry mouth, insomnia, photosensitivity		B1
<b>Lubricant</b>							
Carboxymethylcellulose (Refresh Plus)	0.5 %, 0.4 mL	Eye	40	unit dose pack	Temporary blurred vision		A4
Hypromellose (Nature's Tears)	0.4 %, 15 mL	Eye	2	bottle	Temporary blurred vision	Remove contact lenses prior to use.	A4
Mineral Oil and White Petrolatum (Refresh PM)	42.5 %; 57.3 %, 3.5 gm	Eye	2	tube	Temporary blurred vision		A4
Sodium Chloride (AYR Saline)	0.9 %, 22 mL	Intranasal	3	bottle	No significant side effects within prescribed dose		A2
<b>Pain Reliever</b>							
Acetaminophen (Tylenol)	325 mg	Oral	150	tablet	No significant side effects within prescribed dose	No more than 12 tablets every 24 hours.	B4
Aspirin	325 mg	Oral	60	tablet	Upset stomach, dizziness, ringing in ears, blood in stool	Take with food.	B4

### 3.001 MEDICAL KIT- CONTENTS AND REFERENCE

(MED CL/SpX-6 - ALL/FIN/T)

Page 4 of 27 pages

Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Ibuprofen (Motrin)	400 mg	Oral	400	tablet	Dizziness, nervousness, upset stomach, nausea, vomiting, rash, ringing in the ears	No more than 8 tablets every 24 hours. Take with food.	B3
<b>Sleep</b>							
Melatonin	3 mg	Oral	60	tablet	Headache, nausea, drowsiness, dizziness	Do not use with other sleep meds.	A4
Zaleplon (Sonata)	10 mg	Oral	100	bottle	Headache, dizziness, drowsiness, short-term memory impairment, or lack of coordination, nausea, upset stomach, muscle weakness	Do not take with a high fat meal. Do not use with other sleep meds.	A4
Zolpidem (Ambien)	10 mg	Oral	200	tablet	Drowsiness, dizziness, headache, abnormal dreams, insomnia, memory impairment, visual and attention disturbance	Do not use with other sleep meds.	A3
<b>Steroid</b>							
Hydrocortisone	1 %, 0.9 gm	Topical	60	unit dose packet	No significant side effects		B1
Mometasone (Nasonex)	50 mcg, 17 gm	Intranasal	3	bottle	Headache, cough		A1
<b>Stimulant</b>							
Caffeine (Vivarin)	200 mg	Oral	100	tablet	Diarrhea, dizziness, fast heartbeat, low blood sugar, high blood sugar, blurred vision, dry mouth, flushed skin, increased urination, loss of appetite, nausea, stomachache, anxious feeling, agitation, cold sweats, nervousness, insomnia		A3

**3.001 MEDICAL KIT- CONTENTS AND REFERENCE**

(MED CL/SpX-6 - ALL/FIN/T)

Page 5 of 27 pages

Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Modafinil (Provigil)	200 mg	Oral	40	tablet	Headache, nervousness, dizziness, anxiety, insomnia, chest pain, rapid heart rate, diarrhea, upset stomach, dry mouth, lack of appetite		A3
Stool Softener							
Bisacodyl (Dulcolax)	5 mg	Oral	40	tablet	Mild abdominal cramps, nausea, vomiting, dizziness		B2

### 3.001 MEDICAL KIT- CONTENTS AND REFERENCE

(MED CL/SpX-6 - ALL/FIN/T)

Page 6 of 27 pages

Table 2. Emergency Medical Treatment Pack - Medications (Red)

Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
<b>ALS Medication Kit</b>							B1
Atropine	0.1 mg/mL, 10 mL	Intraosseous	2	syringe	Rapid heart rate, dilated pupils, dry skin and mouth, cardiac arrhythmias, flushing, low blood pressure, headache, insomnia, slowed GI motility, nausea, dry mouth, urinary hesitancy and retention		B1
Epinephrine	1:10,000; 0.1 mg/mL, 10 mL	Intraosseous	2	syringe	Rapid heart rate and palpitations, flushing, dizziness, headache, nervousness, dry mouth		B1
Lidocaine	2 %; 20 mg/mL, 5 mL	Intraosseous	2	syringe	Low blood pressure, flushing, drowsiness, disorientation, muscle twitching, dizziness, metallic taste, nausea, vomiting		B1
<b>Severe Allergic Reaction</b>							
Epinephrine (EpiPen)	1:1000, 0.3 mL	Intramuscular	3	syringe	Rapid heart rate and palpitations, flushing, dizziness, headache, nervousness, dry mouth		B3

### 3.001 MEDICAL KIT- CONTENTS AND REFERENCE

(MED CL/SpX-6 - ALL/FIN/T)

Page 7 of 27 pages

Table 3. Emergency Medical Treatment Pack - Other Contents (Red)

Item	Qty in Pack	Location
<b>Basic Airway Management</b>		
AMBU Bag	1	A1
<b>Nasal Airway Kit</b>	-	A3
Nasal Airway 6 mm	1	A3
Nasal Airway 7 mm	1	A3
Oral Airway	2	A4
<b>Biohazard Trash Bags</b>	-	A2
Biohazard Trash Bag	5	A2
Level 1 Hazardous Material Decal	5	A2
Level 2 Hazardous Material Decal	5	A2
<b>General Use</b>		
Scissors - Trauma	1	Spine
Sharps Container	1	Spine
Stethoscope	1	A1
Stethoscope Holder	1	A1
Surgical Lubricant	4	B2
<b>Intraosseous Device Start Kit</b>	-	B4
Gauze 4"x4"	10	B4
Intraosseous Injection Device	2	B4
Iodine Swabstick	2	B4
IV Cap	2	B4
Medical Tape	1	B4
Syringe 10 mL	1	B4

### 3.001 MEDICAL KIT- CONTENTS AND REFERENCE

(MED CL/SpX-6 - ALL/FIN/T)

Page 8 of 27 pages

Table 4. IV Supply Pack (Gray)

Item	Qty in Pack	Location
<b>Bandages</b>		
Clear Bandage	4	A2
Gauze 4"x4"	4	A2
Medical Tape	1	B1
<b>IV Insertion &amp; Fluid Administration</b>		
IV Administration Set	3	A3/A4
IV Cap	5	B2
IV Catheters	-	A1
IV Catheter 14G	2	A1
IV Catheter 18G	4	A1
IV Catheter 20G	4	A1
IV Catheter 22G	4	A1
Sharps Container - IV Catheter	1	A1
IV Fluid - 500 mL	8	B3/B4
IV Fluid 1L	0	B3/B4
IV Pressure Infusor	1	A2
Tourniquet	1	B2
<b>Skin Preparation Items</b>		
BZK Wipe	4	B1

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Table 5. Medical Diagnostic Pack (Blue)

Item	Qty in Pack	Location
<b>Physical Exam Hardware</b>		
Blood Oximeter	1	B1
Blood Pressure Cuff - Large	1	B2
Blood Pressure Cuff - Small	1	B2
Blood Pressure Monitor	1	B4
Eye Chart	1	with Locator Card
Eye Simulator	1	A4
Eye Simulator Cornea	1	A4
Otoscope Bulb	1	Spine
Otoscope Head	1	A2
Otoscope Speculum	80	A1/A3
Otoscope USB Cable	1	A2
Panoptic Bulb	2	Spine
Panoptic Handle	1	A2
Panoptic Head	1	A1
Stethoscope	1	B1
Stethoscope Earpieces	1 pair	B3
Stethoscope Holder	1	B1
Thermometer	1	B3
Tonometer	1	A4
Tonometer Battery	2	Spine/A4
Tonometer Tip Cover	150	A3/A4
<b>Therapeutic Items</b>		
Ear Curette	2	Spine
Hot/Cold Pack	1	B3

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Table 6. Medical Supply Pack (Green)

Item	Qty in Pack	Location
<b>Bandages</b>		
Bandaid 1"x3"	10	Spine
Gauze 4"x4"	36	A3
Medical Tape	2	B2
<b>Biohazard Trash Bags</b>		
Biohazard Trash Bag	-	B1
Level 1 Hazardous Material Decal	10	B1
Level 2 Hazardous Material Decal	10	B1
<b>General Use</b>		
Cotton Swab	6	Spine
Ear Wick	6	B2
<b>Gloves</b>		
Nitrile Gloves Large	10 pair	B4
Nitrile Gloves Medium	10 pair	B2
Nitrile Gloves Small	10 pair	B2
<b>Injection Items</b>		
Carpject Injector	2	A1
Needle 23G	20	A3
Needle 25G	4	Spine
Needle Plastic	10	A2
Syringe 3 mL	20	A4
Syringe 5 mL	6	A2
Syringe 10 mL	5	A1
<b>Skin Preparation Items</b>		
BZK Wipe	56	B3
Iodine Swabstick	12	B3



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Table 7. Minor Treatment Pack (Pink)

Item	Qty in Pack	Location
<b>Bandages</b>		
Bandaid 2"x3"	5	A1
Bandaid Dot	10	A1
Bandaid Knuckle	5	A1
Burn Bandage	10	A4
Clear Bandage	5	B4
Nasal Packing	10	A4
Nonstick Bandage	20	A4
Rolled Gauze	2	A1
<b>Dental Tools Kit</b>		
Dental Amalgam File (F)	1	B1
Dental Carver File (G)	1	B1
Dental Crown Remover (D)	1	B1
Dental Elevator (I)	1	B1
Dental Elevator (J)	1	B1
Dental Explorer Probe (E)	1	B1
Dental Forceps (A)	1	B1
Dental Forceps (B)	1	B1
Dental Forceps (C)	1	B1
Dental Mirror (H)	1	B1
Trash Bag	1	B1
<b>General Use</b>		
Mirror	1	Spine
Scissors - Bandage	1	Spine
Sharps Container	2	Spine
Syringe 60 mL	1	B2
<b>Gloves</b>		
<b>Sterile Gloves</b>		
Sterile Gloves Large	2 pairs	A3
Sterile Gloves Medium	2 pairs	A3

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Item	Qty in Pack	Location
Sterile Gloves Small	2 pairs	A3
<b>Musculoskeletal</b>		
ACE Bandage 2"	1	A3
ACE Bandage 3"	1	A3
ACE Bandage 4"	1	A3
Finger Splint	1	A3
Leg/Arm Splint	1	A3
<b>Surgical Tools Kit</b>		
Hemostat (CC)	1	B1
Needle Driver (AA)	1	B1
Scalpel #11	2	B1
Smooth Forceps (DD)	1	B1
Suture Scissors (BB)	1	B1
Toothed Forceps (EE)	1	B1
Trash bag	1	B1
<b>Sutures</b>		
Absorbable Suture 3-0	2	A2
Nylon Suture 2-0	2	A2
Nylon Suture 5-0	2	A2
<b>Urinary</b>		
<b>Urine Catheters</b>		
Urine Catheter Coude	2	B3
Urine Catheter Foley	2	B3
Urine Catheter Straight	2	B3
Urine Catheter Short	10	B3
Urine Collection Bag	2	B3
<b>Wound Repair</b>		
Skin Stapler	2	A2
Skin Staple Remover	1	A2
Wound Packing	3	B4

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Table 8. Oral Medication Pack (Purple)

Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Altitude Sickness							
Acetazolamide (Diamox)	250 mg	Oral	100	tablet	Flushing, tingling sensation in extremities, loss of appetite, increased urine output, drowsiness, dizziness, confusion, photosensitivity, hearing disturbances, kidney stones		A4
Antibiotic							
Amoxicillin (Amoxil)	500 mg	Oral	100	capsule	nausea, vomiting, diarrhea, rash		B1
Azithromycin (Zithromax)	250 mg	Oral	18	tablet	Diarrhea, nausea, abdominal pain, vomiting		B1
Clindamycin (Cleocin)	300 mg	Oral	100	capsule	Abdominal pain, nausea, vomiting, diarrhea, rash		B1
Doxycycline (Vibramycin)	100 mg	Oral	50	capsule	Diarrhea, severe headache, blurred vision, skin rash, redness of the skin (sunburn), itching, loss of appetite, upset stomach, stomach pain, extreme tiredness or weakness, confusion, decreased urination		Spine
Levofloxacin (Levaquin)	500 mg	Oral	50	tablet	Headache, insomnia, dizziness, nausea, constipation, diarrhea, vomiting, abdominal pain, rash, photosensitivity		B2
Metronidazole (Flagyl)	500 mg	Oral	100	tablet	Headache, dizziness, nausea, vomiting, diarrhea, loss of appetite, metallic taste, rash	Take with food.	B2
Sulfamethoxazole and Trimethoprim (Bactrim DS)	800 mg, 160 mg	Oral	40	tablet	Headache, dizziness, insomnia, stomach upset, diarrhea, nausea, vomiting, photosensitivity, rash		B1

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
<b>Antifungal</b>							
Fluconazole (Diflucan)	150 mg	Oral	5	tablet	Headache, dizziness, nausea, abdominal pain, vomiting, diarrhea, rash		B2
<b>Antihistamine</b>							
Diphenhydramine (Benadryl)	25 mg	Oral	60	capsule	Drowsiness, sedation, inability to concentrate, dry mouth, blurred vision, rash, headache, rapid heart rate, dizziness, fatigue, photosensitivity, urinary retention, ringing in the ears, nasal stuffiness	May cause sedation and impair performance. Do not use with sleep meds.	A1
Fexofenadine (Allegra)	180 mg	Oral	400	tablet	Headache, vomiting, fatigue, somnolence, dizziness, fever, pain, drowsiness, diarrhea, nausea, upset stomach, muscle aches, back pain, pain in extremities	Do not use with other antihistamines. Do not drink grapefruit juice 1 hour before or 2 hours after taking the medication.	A2
<b>Antiseizure</b>							
Phenytoin (Dilantin ER)	300 mg	Oral	30	capsule	Tingling sensation in extremities, drowsiness, dizziness, blurred vision, slurred speech	Swallow whole; do not crush or chew.	B4
<b>Antiviral</b>							
Valacyclovir (Valtrex)	1 gm	Oral	60	tablet	Headache, nausea, vomiting, fatigue, dizziness, rash		B2

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Behavioral Health							
Aripiprazole (Abilify)	5 mg	Oral	60	tablet	Headache, agitation, insomnia, anxiety, tremor, restlessness, sedation, dizziness, nausea, constipation, vomiting, abdominal discomfort, dry mouth, blurred vision, nasal congestion		B3
Lorazepam (Ativan)	1 mg	Oral	60	tablet	Drowsiness, slowed breathing, low blood pressure, sedation, dizziness, headache, memory impairment, nausea, changes in appetite, visual disturbances, headache		A1
Sertraline (Zoloft)	50 mg	Oral	60	tablet	Headache, drowsiness, dizziness, insomnia, nervousness, anxiety, nausea, dry mouth, loss of appetite, constipation, tremor, weakness, visual difficulty, sweating, rash, tinnitus		B3
Venlafaxine (Effexor XR)	75 mg	Oral	60	tablet	Headache, drowsiness, dizziness, insomnia, nervousness, anxiety, nausea, dry mouth, loss of appetite, constipation, weakness, sweating	Swallow whole; do not crush or chew.	B3
Cardiac							
Lisinopril (Zestril)	10 mg	Oral	100	tablet	Headache, low blood pressure, dizziness, fatigue, diarrhea, nausea, vomiting, abdominal pain, cough, blurred vision, decrease in urine output or urine-concentrating ability, sweating, weakness		B4

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Metoprolol XL (Toprol XL)	50 mg	Oral	60	tablet	Slow heart rate, dizziness, weakness, insomnia, diarrhea, blurred vision, shortness of breath, fatigue, confusion, memory loss (short-term), sleep disturbances, rash, itching, photosensitivity	Swallow whole; do not crush or chew.	B4
Nitroglycerin (Nitrostat)	0.4 mg	Oral	25	tablet	Flushing, headache, dizziness, nausea, vomiting, dry mouth		B4
<b>Decongestant</b>							
Pseudoephedrine (Sudafed)	30 mg	Oral	100	tablet	Dizziness, rapid heart rate, high blood pressure, restlessness, tremor, headache, loss of appetite, may impair ability to concentrate, dry mouth, insomnia, photosensitivity		A1
<b>Hormone</b>							
Medroxyprogesterone (Provera)	10 mg	Oral	100	tablet	Dizziness, headache, nervousness, bloating, acne, breast pain		Spine
Norgestrel and Ethinyl Estradiol (Ogestrel)	0.5 mg, 0.05 mg	Oral	2	unit dose pack (21 tablets each)	Elevated blood pressure, headache, dizziness, nervousness, nausea, abdominal cramps, blood clots, appetite changes, bloating, breast pain		Spine
<b>Pain Reliever</b>							
Hydrocodone and Acetaminophen (Vicodin HP)	10 mg, 300 mg	Oral	30	tablet	Slower heart rate, dizziness, drowsiness, mental impairment, sedation, nausea, vomiting, constipation, urinary retention	May cause sedation and impair performance. Do not use with sleep meds.	A2

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
<b>Space Motion Sickness/Anti-Nausea</b>							
Meclizine (Antivert)	25 mg	Oral	20	tablet	Drowsiness, headache, fatigue, nervousness, dizziness, dry mouth, blurred vision	May cause sedation and impair performance. Do not use with sleep meds.	A2
Ondansetron (Zofran ODT)	8 mg	Oral	30	tablet	Headache, fatigue, drowsiness, dizziness, anxiety, constipation, diarrhea, urinary retention, itching		A2
Promethazine (Phenergan)	25 mg	Oral	100	tablet	Sedation, inability to concentrate, drowsiness, dizziness, blurred or double vision, nausea, dry mouth, urinary retention, constipation, rash, agitation, photosensitivity, uncontrolled muscle spasms	May cause sedation and impair performance. Do not use with sleep meds.	A2
<b>Steroid</b>							
Methylprednisolone (Medrol)	4 mg	Oral	4	dose pack (21 tablets each)	Headache, dizziness, insomnia, restlessness, depression, anxiety, sweating, mood changes, hair growth, flushing, acne		A4
Prednisone (Deltasone)	20 mg	Oral	40	tablet	Headache, fluid retention, vertigo, high blood pressure, mood changes	Take with food.	A4
<b>Stimulant</b>							
Modafinil (Provigil)	200 mg	Oral	30	tablet	Headache, nervousness, dizziness, anxiety, insomnia, chest pain, rapid heart rate, diarrhea, upset stomach, dry mouth, lack of appetite		A1
<b>Stomach</b>							
Bismuth Subsalicylate (Pepto Bismol)	262 mg	Oral	80	chewable		May darken tongue and stool.	A3

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Omeprazole (Prilosec)	20 mg	Oral	90	capsule	Headache, dizziness, rash, flatulence, diarrhea, abdominal pain, nausea, vomiting, constipation, joint pain		A4
Ranitidine (Zantac)	150 mg	Oral	60	tablet	Dizziness, headache, insomnia, abdominal discomfort, blurred vision		A3
Urinary							
Tamsulosin (Flomax)	0.4 mg	Oral	10	capsule	Headache, dizziness, drowsiness, diarrhea, nausea, weakness, back pain, blurred vision, inflammation of the nasal membranes, runny nose, cough		A4



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Table 9. Physician Equipment Pack (Yellow)

Item	Qty in Pack	Location
<b>Advanced Airway Management Hardware</b>		
Endotracheal Tubes	-	A2
Bougie ET Tube Introducer	1	A2
Endotracheal Stylet	1	A2
Endotracheal Tube 7.0	1	A2
Endotracheal Tube 8.0	1	A2
<b>ILMA Hardware</b>		
ILMA Endotracheal Tube 7.0	1	B1
ILMA Endotracheal Tube 7.5	1	B1
ILMA Large	1	B1
ILMA Small	1	B1
ILMA Stabilizer Rod	1	B1
Laryngoscope	1	Spine
<b>Suction Device</b>		
Suction Cartridge	1	B4
Suction Collection Bag	1	B4
Suction Syringe	1	B4
Suction Tip - Mouth	1	B4
Suction Tubing - Endotracheal Tube	1	B4
Suction Tubing - Gastric Tube	1	B4
<b>Variable Oxygen System</b>		
VOS Intubated Patient Hardware	1	A1
VOS Non-Intubated Patient Hardware	1	A1
VOS Spare Parts	1	A1
<b>Ear Hardware</b>		
Otoscope Head Manual	1	B2
<b>General Use</b>		
Surgical Lubricant	4	Spine
Syringe 35 mL	1	B1

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Table 10. Topical & Injectable Medication Pack - Medications (Brown)

Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
<b>Anesthetic</b>							
<b>Dental</b>							
Benzocaine Swabstick	20 %, 0.15 mL	Topical	24	swab	No significant side effects		B3
<b>Eye</b>							
Tetracaine	0.5 %, 15 mL	Eye	1	bottle	Burning, stinging, redness of the eye, light sensitivity, tearing	Remove contact lenses prior to administration and wait 15 minutes before reinserting.	A2
<b>Local</b>							
Lidocaine and Epinephrine (Xylocaine and Epinephrine)	2 % with 1:100,000 epi, 20 mL	Subcutaneous	2	multi dose vial	Burning, stinging, blanching, tissue death		B4
Lidocaine (Xylocaine)	1 %, 10 mL	Subcutaneous	3	multi dose vial	Burning, stinging, blanching, tissue death		B2
<b>Urinary</b>							
Lidocaine Jelly	2 %, 30 mL	Topical	3	tube	Irritation, itching, rash		B4
<b>Antibiotic</b>							
Bacitracin	500 units/gm, 28 gm	Topical	4	tube	No significant side effects		A1
Ceftriaxone (Rocephin)	1 gm	Intramuscular	3	single dose vial	Thickening of tissue at injection site, rash, diarrhea		B1
Ciprofloxacin and Dexamethasone (Ciprodex)	0.3 %; 0.1 %, 7.5 mL	Ear	2	bottle	Ear discomfort, ear pain, ear itching		Spine

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Ertapenem (Invanz)	1 gm	Intramuscular	6	single dose vial	Headache, altered mental status, insomnia, nausea, vomiting, diarrhea, abdominal pain, constipation, cough		B1
Erythromycin	0.5 %, 3.5 gm	Eye	1	tube	Hypersensitivity, minor eye irritation, redness		A1
Moxifloxacin (Vigamox)	0.5 %, 3 mL	Eye	4	bottle	Dry eye, eye pain, itching eye, tearing, visual acuity decreased	Contact lenses should not be worn during therapy.	A1
Mupirocin (Bactroban)	2 %, 22 gm	Topical	2	tube	Skin irritation, itching		A1
Tobramycin and Dexamethasone (Tobradex)	0.3 %; 0.1 %, 10 mL	Eye	1	bottle	Eye redness, increased intraocular pressure, tearing, lid itching, lid swelling	Contact lenses should not be worn during therapy.	A1
<b>Antifungal</b>							
Clotrimazole (Lotrimin)	1 %, 30 gm	Topical	2	tube	Skin irritation, itching		A2
<b>Antihistamine</b>							
Cromolyn (Nasal crom)	5.2 mg, 26 mL	Intranasal	4	bottle	Increase in sneezing, burning, stinging or irritation inside the nose, headache, unpleasant taste, hoarseness, cough, post-nasal drip		A3

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Diphenhydramine (Benadryl)	50 mg/mL, 1 mL	Intramuscular	6	single dose vial	Drowsiness, sedation, inability to concentrate, dry mouth, blurred vision, rash, headache, rapid heart rate, dizziness, fatigue, photosensitivity, urinary retention, ringing in the ears, nasal stuffiness	May cause sedation and impair performance. Do not take with sleep meds.	B4
Behavioral Health							
Aripiprazole (Abilify)	7.5 mg/mL, 1.3 mL	Intramuscular	2	single dose vial	Headache, agitation, insomnia, anxiety, tremor, restlessness, sedation, dizziness, nausea, constipation, vomiting, abdominal discomfort, dry mouth, blurred vision, nasal congestion		B4
Diazepam (Valium)	5 mg/mL, 2 mL	Intramuscular	4	syringe	Drowsiness, fatigue, headache, memory loss, confusion, slurred speech, slower breathing rate, nausea, slow heart rate, blurred vision, constipation, dry mouth, urinary retention		B1
Breathing							
Albuterol (Proventil HFA)	90 mcg, 6.7 gm	Inhaler	3	inhaler	Tremors, palpitations, fast heart rate, dizziness, nervousness		A3

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Fluticasone (Flovent HFA)	220 mcg, 12 gm	Inhaler	2	inhaler	Fatigue, headache, throat irritation, oral yeast infection, cough, hoarseness, abdominal discomfort, nausea, vomiting, muscle pain, rash, itching		A4
Salmeterol (Serevent)	50 mcg	Inhaler	1	Multi dose inhaler	Headache, muscle pain, high blood pressure, dizziness, sleep disturbance, anxiety, rash, throat irritation, nausea, dry mouth		A3
<b>Dental</b>							
Eugenol	1 mL	Topical	2	oral syringe	Gum and skin irritation	Warning: DO NOT swallow. Medication is very damaging to the esophagus and stomach. Precaution: Do not pour the entire syringe into mouth at once. Use small amounts in increments.	B3
<b>Earwax Removal</b>							
Carbamide Peroxide (Debrox)	6.5 %, 15 mL	Ear	2	bottle	Irritation, redness in the ear		A4

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Eye							
Cyclopentolate (Cyclogyl)	2 %, 15 mL	Eye	1	bottle	Transient irritation, blurred vision, sensitivity to light, increased intraocular pressure	Remove contact lenses prior to administration and wait 15 minutes before reinserting.	A2
Fluorescein Strip	1 mg	Eye	20	strip	No significant side effects	Remove contact lenses before using.	Spine
Tropicamide (Mydracyl)	1 %, 15 mL	Eye	2	bottle	Blurred vision, burning, temporary stinging, increased intraocular pressure; dry mouth, headache, light sensitivity	Remove contact lenses before using.	A2
Intubation							
Glycopyrrolate (Robinul)	0.2 mg/mL, 2 mL	Intramuscular	5	single dose vial	Flushing, dizziness, drowsiness, headache, fast heartbeat, nausea, vomiting, constipation, loss of taste, dry mouth, blurred vision, urinary retention, photosensitivity	For use by Physician CMO Only	B2
Ketamine (Ketalar)	50 mg/mL, 10 mL	Intramuscular	4	multi dose vial	Cardiac arrhythmia, visual hallucinations, vivid dreams, confusion, increased intraocular pressure, increased intracranial pressure, nausea, vomiting, increased salivation	For use by Physician CMO Only	B2

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
<b>Pain Reliever</b>							
Hydromorphone (Dilaudid)	2 mg/mL, 1 mL	Intramuscular	18	syringe	Drowsiness, dizziness, fatigue, headache, sedation, nausea, slow heart rate, blurred vision, nausea, vomiting, constipation, dry mouth, tinnitus, urinary retention, abnormal dreams, agitation, mood	May cause sedation and impair performance. Do not use with sleep meds.	B2
Ketorolac (Toradol)	30 mg/mL, 2 mL	Intramuscular	3	single dose vial	Headache, nausea, upset stomach, diarrhea, dizziness, drowsiness, elevated blood pressure, swelling		B4
<b>Space Motion Sickness/Anti-Nausea</b>							
Promethazine (Phenergan)	25 mg/mL, 1 mL	Intramuscular	24	single dose vial	Sedation, inability to concentrate, drowsiness, dizziness, blurred or double vision, nausea, dry mouth, urinary retention, constipation, rash, agitation, photosensitivity, uncontrolled muscle spasms	May cause sedation and impair performance.	B4
<b>Steroid</b>							
Dexamethasone (Decadron)	10 mg/mL, 1 mL	Intramuscular	20	single dose vial	High blood pressure, slow heart rate, headache, vertigo, insomnia, mood swings, increased intraocular pressure		B2
Fluocinonide (Lidex)	0.05 %, 30 gm	Topical	3	tube	Skin irritation, itching		A2

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Item	Strength, Volume	Route of Use	Qty in Pack	Unit	Possible Side Effects	Comments	Location
Wound Repair							
Chemical Cautery							
Silver Nitrate and Potassium Nitrate (Silver Nitrate Applicators)	75 %; 25 %	Topical	10	each	Burning and skin irritation, staining of the skin		A2
Skin Adhesive							
Cyanoacrylate (Dermabond)	0.5 mL	Topical	2	swab	Skin irritation, itching		A2



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Table 11. Topical & Injectable Medication Pack - Other Contents (Brown)

Item	Qty in Pack	Location
Dental		
Dental Adhesive	1	B3
Dental Adhesive Tip	4	B3
Temporary Tooth Filling	1	B1
Urine Testing Hardware		
EPT	2	Spine
Urine Chemstrip	10	B3
Urine Color Chart	1	B3