

**NATIONAL REGISTRY OF EMERGENCY MEDICAL TECHNICIANS  
ADVANCED LEVEL PSYCHOMOTOR EXAMINATION  
EQUIPMENT LIST**

The Examination Coordinator is responsible for obtaining and setting-up the various skills on the day prior to the scheduled psychomotor examination if possible. If it is not possible to set-up all skills the day before the psychomotor examination, the Examination Coordinator must at least verify the availability of all equipment that is considered to be the minimal essential equipment needed.

**PATIENT ASSESSMENT – TRAUMA**

(NREMT-Intermediate/85, Advanced EMT, NREMT-Intermediate/99, and NREMT-Paramedic candidates complete this skill)

- Examination gloves
- Moulage kit or similar substitute
- Outer garments to be cut away
- Penlight
- Blood pressure cuff
- Stethoscope
- Scissors
- Blanket
- Tape (for outer garments)
- A live Simulated Patient who is an adult or adolescent at least sixteen (16) years of age. The Simulated Patient must also be of average adult height and weight and dressed in appropriate attire (shorts or swimsuit) down to which he/she will be exposed. A high fidelity simulation manikin capable of responding as a real patient given the scenario(s) utilized may also be used as the Simulated Patient.

**PATIENT ASSESSMENT – MEDICAL**

(Advanced EMT and NREMT-Intermediate/99 candidates complete this skill)

- Examination gloves
- Moulage kit or similar substitute
- Outer garments to be cut away
- Penlight
- Blood pressure cuff
- Stethoscope
- Scissors
- Blanket
- Tape (for outer garments)
- A live Simulated Patient who is an adult or adolescent at least sixteen (16) years of age. The Simulated Patient must also be of average adult height and weight and dressed in appropriate attire (shorts or swimsuit) down to which he/she will be exposed. A high fidelity simulation manikin capable of responding as a real patient given the scenario(s) utilized may also be used as the Simulated Patient.

## **VENTILATORY MANAGEMENT (ADULT & ALTERNATIVE AIRWAY DEVICE [SUPRAGLOTTIC AIRWAY])**

1. **NREMT-Intermediate/85 candidates** only complete one (1) adult scenario and can choose to place either a supraglottic airway device (Combitube<sup>®</sup>, PTL<sup>®</sup>, King LT<sup>®</sup>) or endotracheal tube. Requirements for state licensure may mandate which of these devices the NREMT-Intermediate/85 candidate may use.
2. **Advanced Emergency Medical Technician (AEMT) candidates** only complete one (1) adult scenario and are only authorized to place a supraglottic airway device (Combitube<sup>®</sup>, PTL<sup>®</sup>, King LT<sup>®</sup>).
3. **NREMT-Intermediate/99 and NREMT-Paramedic candidates** must complete two (2) separate adult scenarios:
  - a. Endotracheal intubation of the apneic adult patient
  - b. Insertion of a supraglottic airway device (Combitube<sup>®</sup>, PTL<sup>®</sup>, King LT<sup>®</sup>) into an apneic adult patient

Equipment for the Pediatric Ventilatory Management and Pediatric Respiratory Compromise Skills is listed separately in the Pediatric Skills section below.

- Examination gloves (may also add masks, gowns, and eyewear)
- Adult Intubation manikin
- Laryngoscope handle and blades (straight and curved of various sizes)
- Endotracheal tubes (6.0 - 8.5 mm)
- End-tidal CO<sub>2</sub> detector (waveform capnography or colorimetric) and/or esophageal detector device (EDD)
- Syringes (10 mL, 20 mL, 35 mL, etc.)
- Stylette
- Bag-valve-mask device with reservoir
- Oxygen cylinder with regulator (may be empty)
- Oxygen connecting tubing
- Selection of oropharyngeal airways
- Selection of nasopharyngeal airways
- Various supplemental oxygen devices (nasal cannula, non-rebreather mask with reservoir, etc.)
- Suction device with rigid and flexible catheters and appropriate suction tubing
- Sterile water or saline
- Supraglottic airway to include at least one (1) of the following:
  - Combitube<sup>®</sup>
  - PTL<sup>®</sup>
  - King LT<sup>®</sup> Oropharyngeal Airway or similar
- Stethoscope
- Lubricant (silicone spray)
- 1/2" tape
- Spare batteries
- Tongue blade

## **CARDIAC MANAGEMENT SKILLS (DYNAMIC CARDIOLOGY, STATIC CARDIOLOGY, AND CARDIAC ARREST MANAGEMENT/AED)**

(NREMT-Intermediate/99 and NREMT-Paramedic candidates complete both Dynamic and Static Cardiology skills. *Effective January 1, 2013, Advanced EMT candidates complete the Cardiac Arrest Management/AED Skill only.*)

These skills should be located in a quiet, isolated room with a desk or table and two (2) comfortable chairs. Prepared testing scenarios for the Dynamic portion and ECG tracings will be provided by the National Registry Representative. ***The manikin must be placed and left on the floor for these skills. Live shocks must be delivered if possible.*** If the monitor/defibrillator does not sense appropriate transthoracic resistance and will not deliver a shock, the Skill Examiner must operate the equipment to simulate actual delivery of a shock as best as possible.

- Examination gloves
- Monitor/defibrillator (no automated, semi-automated or interpreting machines permitted) with freshly charged batteries and spares
- Arrhythmia generator compatible with manikin and monitor/defibrillator
- Defibrillation manikin
- Conductive medium (gel, pads, etc.)
- ECG paper

***Effective January 1, 2013 for NRAEMT Candidates:***

- Automated External Defibrillator (trainer model) with freshly charged and spare batteries
- CPR manikin that can be defibrillated with an AED Trainer

## **ORAL STATION**

(Only NREMT-Paramedic candidates complete this station)

These skills should be located in a quiet, isolated room with a desk or table and two (2) comfortable chairs. The Skill Examiner will sit across from and face the candidate during the testing in this station. The National Registry Representative will provide prepared testing cases and a barrier to prohibit any candidate from observing any case information or examiner documentation. Each candidate completes two (2) separate cases, each of which is conducted by a separate Skill Examiner.

- Tablet paper for candidate (All notes **must** be collected before dismissing the candidate from the room.)
- Pen or pencil for candidate
- Divider barrier (provided by NREMT) that prohibits candidate from observing any printed case materials or documentation
- Watch or visible clock with a second hand

#### **IV AND MEDICATION SKILLS (IV THERAPY AND IV BOLUS MEDICATIONS)**

(NREMT-Intermediate/85 candidates only complete the IV Therapy Skill. Advanced EMT, NREMT-Intermediate/99 and NREMT-Paramedic candidates complete both the IV and Bolus Medication Skills.)

Equipment for the Pediatric Intraosseous Infusion Skill is listed separately in the Pediatric Skills section below.

- Examination gloves
- IV infusion arm
- IV solutions\*
- Administration sets\*\*
- IV catheters\*\*\*
- IV push medications (prefilled syringes)\*\*\*\*
- Tape
- Gauze pads (2x2, 4x4, etc.)
- Syringes (various sizes)
- Tourniquet
- Alcohol preps or similar substitute
- Approved sharps container

NOTE: Please refer to the essay for a detailed discussion of the following:

- \* Need a selection array but may be expired
- \*\* Need a selection array and must include microdrip tubing (60 gtt/cc)
- \*\*\* Need a selection array and can replace with small (20-22 ga.) catheters
- \*\*\*\* Must include atropine, epinephrine 1:10,000, naloxone, and dextrose 50% plus several others

#### **PEDIATRIC SKILLS (PEDIATRIC VENTILATORY MANAGEMENT, PEDIATRIC INTRAOSSEOUS INFUSION, AND PEDIATRIC RESPIRATORY COMPROMISE)**

(NREMT-Intermediate/99 and NREMT-Paramedic candidates complete the Pediatric Ventilatory Management Skill. Only Advanced EMT candidates complete the Pediatric Respiratory Compromise Skill. Advanced EMT, NREMT-Intermediate/99 and NREMT-Paramedic candidates complete the Pediatric Intraosseous Skill.)

NOTE: These skills may be set-up as part of the Ventilatory Management Skills and the IV and Medication Skills.

#### **PEDIATRIC VENTILATORY MANAGEMENT**

- Examination gloves (may also add masks, gowns, and eyewear)
- Infant intubation manikin
- Laryngoscope handle and blades (straight and curved of appropriate sizes)
- Endotracheal tubes (3.0 – 5.0 mm)
- End-tidal CO<sub>2</sub> detector and/or esophageal detector device (EDD)
- Syringes (10 mL, 20 mL)
- Stylette
- Bag-valve-mask device with reservoir
- Oxygen cylinder with regulator (may be empty)
- Oxygen connecting tubing
- Selection of oropharyngeal airways

- Selection of nasopharyngeal airways
- Various supplemental oxygen devices (nasal cannula, non-rebreather mask with reservoir, etc.)
- Stethoscope
- Lubricant (silicone spray)
- 1/2" tape
- Spare batteries
- Tongue blade
- Towel or other appropriate padding

### **PEDIATRIC INTRAOSSEOUS INFUSION**

- Examination gloves
- Intraosseous infusion manikin with replacement tibias (6 – 8 sticks/tibia)
- IV solutions\*
- Administration sets\*\*
- IV extension tubing or 3-way stopcock
- Intraosseous needles (Jamshidi<sup>®</sup>, electric, drill-type and/or spring-loaded device)
- Syringes (various sizes)
- Tape
- Gauze pads (2x2, 4x4, etc.)
- Alcohol preps or similar substitute
- Bulky dressing
- Approved sharps container

NOTE: Please refer to the essay for a detailed discussion of the following:

\* Need a selection array but may be expired

\*\* Need a selection array and must include microdrip (60 gtt/mL) tubing

### **PEDIATRIC RESPIRATORY COMPROMISE**

- Examination gloves (may also add masks, gowns, and eyewear)
- Infant manikin (approximately 1 year)
- Bag-valve-mask device with reservoir
- Oxygen cylinder with regulator (may be empty)
- Oxygen connecting tubing
- Selection of oropharyngeal airways
- Selection of nasopharyngeal airways
- Various supplemental oxygen devices (nasal cannula, non-rebreather mask with reservoir, etc.)
- Stethoscope
- Tongue blade
- Towel or other appropriate padding

## RANDOM EMT SKILLS AND SPINAL IMMOBILIZATION (SUPINE PATIENT) SKILL

Skills will be tested as follows but all equipment for all skills must be available. One (1) adult or adolescent who is at least sixteen (16) years of age must serve as the Simulated Patient for this skill. The Simulated Patient must also be of average adult height and weight.

| LEVEL   | SKILL(S) TO TEST   |
|---|--|
| NREMT-Intermediate/85, NREMT-Intermediate/99, NREMT-Paramedic | Test one (1) of the following: <ul style="list-style-type: none"> <li>▪ Spinal Immobilization (Seated Patient)</li> <li>▪ Spinal Immobilization (Supine Patient)</li> <li>▪ Bleeding Control/Shock Management</li> </ul>   |
| Advanced Emergency Medical Technician                         | All must test one (1) of the following: <ul style="list-style-type: none"> <li>▪ Spinal Immobilization (Seated Patient)</li> <li>▪ Bleeding Control/Shock Management</li> <li>▪ Long Bone Immobilization</li> <li>▪ Joint Immobilization</li> </ul> Additionally, all NRAEMT candidates must also test: <ul style="list-style-type: none"> <li>▪ Spinal Immobilization (Supine Patient)</li> </ul> |

### SPINAL IMMOBILIZATION (SEATED PATIENT)

- Examination gloves
- Half-spine immobilization device\* (wooden or plastic)
- Vest-type immobilization device\*
- Padding material (pads or towels)
- Armless chair
- Cervical collars (correct sizes)
- Cravats (6)
- Kling, Kerlex, etc.
- Long immobilization straps (6 of any type)
- Tape (2" or 3" adhesive)
- Blankets (2)

\*It is required that the skill include one (1) plain wooden or plastic half board with tape, straps, blankets, and cravats as well as one (1) common vest-type device (complete). Additional styles and brands of devices and equipment may be included as a local option.

### BLEEDING CONTROL/SHOCK MANAGEMENT

- Examination gloves
- Field dressings (various sizes)
- Bandages (various sizes)
- Tourniquet (commercial or improvised)
- Oxygen cylinder with delivery system (tank may be empty)
- Oxygen delivery devices (nasal cannula, simple face mask, non-rebreather mask)
- Blanket
- Gauze pads (2x2, 4x4, etc.)

- Kling, Kerlex, etc.

### **LONG BONE IMMOBILIZATION**

- Examination gloves
- Rigid splint materials (various sizes)
- Roller gauze
- Cravats (6)
- Tape

### **JOINT IMMOBILIZATION**

- Examination gloves
- Cravats (6) to be used as a sling and swathe

### **SPINAL IMMOBILIZATION (SUPINE PATIENT)**

- Examination gloves
- Long spine immobilization device (long board, etc.)
- Head immobilizer (commercial or improvised)
- Cervical collar (appropriate size)
- Patient securing straps (6-8 with compatible buckles/fasteners)
- Blankets
- Padding (towels, cloths, etc.)
- Tape