****NAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DATE \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_

**SKILL PERFORMANCE EVALUATION**

NEUROLOGICAL EMERGENCY / SPINAL MOTION RESTRICTION (SMR)

**VEST–TYPE EXTRICATION DEVICE FOR THE SEATED PATIENT**

**PERFORMANCE OBJECTIVES**

Demonstrate competency in performing and directing team members in performing spinal motion restriction in the seated patient spinal restricting the movement of the head and neck using an extrication device for the seated patient when the patient meets the indications.

**EQUIPMENT**

Live model or manikin, chair or car, various sizes of extrication collars, extrication device for the seated patient, long spine board, straps or binders, head-neck immobilizer, padding material, 2-3" cloth tape, 2-3 assistants, goggles, masks, gown, gloves, trauma bag.

**SCENARIO:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

PASS

FAIL

**EXAMINER(S):**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Attempt: 1st 2nd 3rd (final)**

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|  | | | | | |
| **PREPARATION** | | | | | |
| **Performance Criteria** | | | **YES** | **NO** | **Comments** |
| Establishes appropriate BSI precautions | | |  |  |  |
| Assesses environment for safety | | |  |  |  |
| Approaches the patient from the front side – if possible | | |  |  | **Scenario dependent** |
| Assesses the need for additional BSI | | |  |  |  |
| Directs the patient not to move or turn their head | | Explains importance of remaining still |  |  |  |
| Explains the care being delivered |
|  | | | | | |
| **PROCEDURE** | | | | | |
| **Performance Criteria** | | | **YES** | **NO** | **Comments** |
| Places patient’s head in neutral in-line position while maintaining axial stabilization | | Directs an assistant to take over maintaining manual stabilization of the patient’s head and neck |  |  |  |
| Ensures manual stabilization of the head and neck is maintained at all times during the switch |
| Prepares the extrication device | | |  |  |  |
| Assesses all extremities for: | **C**irculation/Pulse | |  |  |  |
| **S**ensation | |
| **M**otor function | |
| Assesses the head/neck for **DCAP-BTLS TIC** | | |  |  | Only needs to verbalize |
| Sizes and applies an appropriately sized extrication collar using the appropriate technique | | |  |  |  |

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| **Performance Criteria** | | **YES** | **NO** | **Comments** |
| Checks for signs and symptoms of obstructed breathing | Choking |  |  |  |
| Coughing |  |  |
| Cyanosis |  |  |
| Unable to speak |  |  |
| Leans the patient forward **AND** removes any articles and debris behind the patient | |  |  |  |
| Assesses the back | |  |  |  |
| Tilts the extrication device at a 45° angle and slides the device behind the patient until it is aligned with the spine | |  |  |  |
| Pulls the extrication device up vertically until the torso flaps are positioned securely in both axilla’s | Ensures the movement of the patient’s head is minimized during this maneuver |  |  |  |
| Ensures the device is centered alongside the patient’s spine |  |  |
| Adjusts the patient’s position **AND** gently leans the patient back against the device | |  |  |  |
| Wraps both torso flaps around the patient just below the axilla’s. | Ensure the extrication device is in contact with the patients back as much as possible. |  |  |  |
| Ensure the top edges of the torso flaps press firmly into both axillae |
| Fold 2 slats of each torso flap inward for pregnant patients |
| Verbalize the correct order for applying and securing the patient in the KED device. | the **m**iddle torso strap |  |  |  |
| the **b**ottom torso strap |
| the **l**eg straps |  |  |  |
| the **t**op torso strap |  |  |  |
| Attaches and adjusts the middle torso strap | |  |  |  |
| Attaches and adjusts the bottom torso strap | |  |  |  |
| Attaches and adjusts the leg straps while ensuring they lie flat from their anchor point | **Crisscross configuration**  Crosses straps at the groin and buckles them at the opposite sides of origin |  |  | Scenario dependent |
| **OR** |  | |
| **Same-side configuration**  Buckles them on the side of their origin |  |  |
| Ensures the straps lie flat from their anchor point |  |  |  |
| Ensures the straps are as close to the body as possible |  |  |  |
| Places padding behind the patient’s head and neck – *if required* | |  |  |  |
| Wraps the head flaps around the patient’s head | |  |  |  |

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| **Performance Criteria** | | | **YES** | **NO** | **Comments** |
| Secures the patient’s head: | **Upper Strap (Head):**  Centers the rubber padded strap or tape across the patient’s forehead  (Tape must adhere to skin) | |  |  |  |
| Positions strap ends or tape at a downward angle and secures them to the fastening straps on the head straps | |  |  |
| **Bottom Strap (neck):**  Places strap or tape against a rigid area beneath the “chin” of the cervical and above the neck opening | |  |  |
| Positions the strap ends or tape horizontally and secures them to the head flaps | |  |  |
| Fasten and snugs the top torso strap | | |  |  |  |
| Evaluates the application of the device and makes adjustments as needed | | |  |  |  |
| Ensures all straps have been tightened prior to transferring the patient to the long spine board. | | |  |  |  |
| Re-assesses the airway for adequate chest expansion | | |  |  |  |
| Re-assess extremities for: | **C**irculation/Pulse | |  |  |  |
| **S**ensation | |  |  |
| **M**otor function | |  |  |
| Removes the patient from the vehicle | | |  |  |  |
| Places the patient on a long spine board | | |  |  |  |
| Loosens the top torso strap without unfastening the buckle | | |  |  |  |
| Loosen and/or remove the leg straps | | |  |  |  |
| Keeps the remaining straps tightened | | |  |  |  |
| Secures the patient’s torso and legs to the spine board | | |  |  |  |
| Removes the bottom head strap (neck) | | |  |  |  |
| Secures the patient’s head and neck with a head spinal motion restriction device using the appropriate technique | | Ensure that device does not compromise patient’s airway, carotid arteries or neck veins |  |  |  |
| Reduce or remove occipital and neck padding - *if indicated.* |
| Secures spine board with the patient to the gurney | | |  |  |  |
| Removes the patient’s shoes and socks | | |  |  |  |
| Ensure the unconscious patient’s arms are secured prior to rolling the patient to the ambulance | | Conscious |  |  | Scenario dependent |
| Unconscious |  |  |
| Un-secures the long spine board from the gurney | | |  |  |  |

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| **Performance Criteria** | | **YES** | **NO** | **Comments** |
| Remove the KED device from the patient by unbuckling the straps in the following order: | Top head strap |  |  |  |
| Top torso strap |  |  |  |
| Leg straps - *if not already removed* |
| Bottom strap |
| Middle strap |
| Rolls the patient off the long board prior to loading the patient into the ambulance, while maintaining SMR of the head and neck | |  |  |  |

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