

K.E.D

Kendrick Extrication Device

For patients with significant Mechanism Of Injury (MOI), an indication of possible spinal injury, that

- Do not have IMMEDIATE life threatening injuries
 - Do not have to be removed quickly to access a second critical patient
 - Are not in significant danger from the scene location (Fire, chemical, etc)
- 1) STABILIZE HEAD**
 - a) Approach from the front
 - b) Take manual stabilization immediately – **WILL NOT BE RELEASED TILL PATIENT IS STRAPPED TO BOARD.**
 - c) Assess for life threats – if found perform “rapid take down”
 - d) Obtain Vitals
 - 2) INSERT K.E.D. BETWEEN PATIENT AND SEAT**
 - a) Insert before moving patient to neutral position if possible
 - b) Make sure straps are clear
 - c) Insert top between arms of person holding stabilization and center on patient’s spine.
 - 3) BRING PATIENTS HEAD AND SHOULDERS TO NEUTRAL POSITION**
 - a) Use rescuers on either side of patient to position into neutral position
 - 4) PUT ON CERVICAL COLLAR**
 - a) Apply PROPERLY SIZED cervical collar
 - 5) WRAP KED AROUND PATIENT AND PULL UP INTO ARMPITS**
 - a) Re check that KED is properly positioned – centered on patient
 - 6) SIZE AND BUCKLE MIDDLE STRAP**
 - a) Snug – do not tighten
 - 7) SIZE AND BUCKLE BOTTOM STRAP**
 - a) Snug – do not tighten
 - 8) PREPARE GROIN STRAPS AND SEE-SAW GROIN STRAPS INTO PLACE**
 - a) Straps must come straight down off K.E.D. and under patient
 - b) Pad groin area with towel or cravats
 - c) Straps may be crossed (Left strap to right buckle) or not (left strap to left buckle). Check for groin injury/pain and apply as appropriate.
 - 9) SNUG GROIN STRAPS**
 - a) Snug – do not tighten
 - 10) STRAP HEAD (FOLD BACK FLAPS TO EXPOSE EARS)**
 - a) Pad between back of head and K.E.D. if required to fill space.
 - b) Apply TOP head strap first, working together bring up tension evenly so head does not move.
 - c) Apply chin strap LAST (so it may be removed quickly if patient vomits)
 - 11) SIZE, BUCKLE TIGHTEN TOP STRAP**
 - a) Pad with cravats if appropriate to prevent pinching
 - 12) TIGHTEN MIDDLE STRAP**
 - 13) TIGHTEN BOTTOM STRAP**
 - 14) TIGHTEN LEG STRAPS**
 - 15) APPLY LIFTING/”RESTRAINING” CRAVATS**
 - a) Two cravats tied at ends, see-sawed under hips for lifting
 - b) Tie ankles
 - c) Tie wrists
 - 16) RECHECK ALL STRAPS, MOVE PATIENT**
 - a) Tip, Turn and lay onto backboard – apply restrain straps
 - b) Legs may be released (will be in “bent-knee” sitting position”. If pain, keep elevated, pad up to legs with pillows/blankets.
 - 17) RECHECK VITALS**