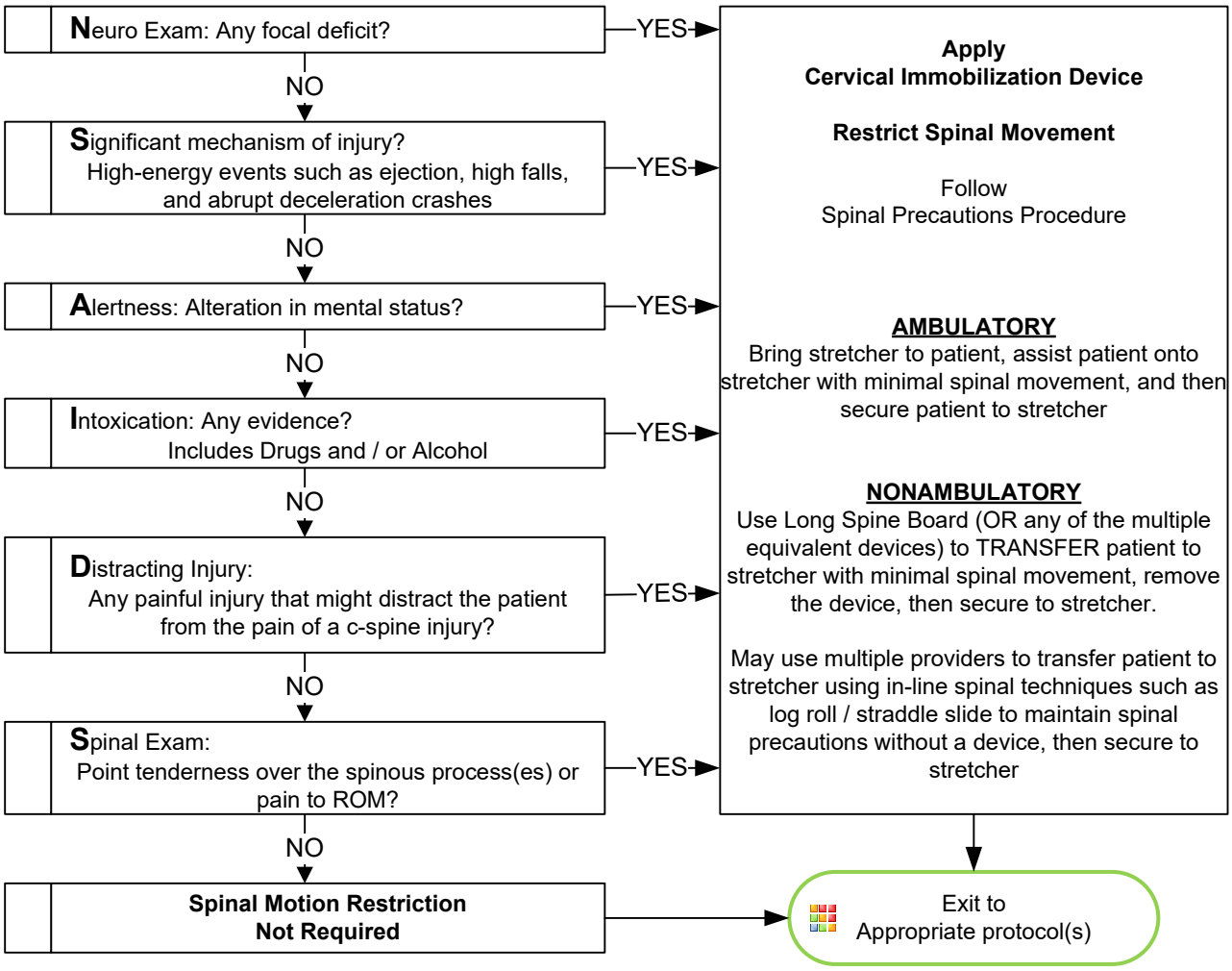
Selective Spinal Motion Restriction



Trauma and Burn Protocol Section

Pearls

- **Recommended Exam: Mental Status, Skin, Neck, Heart, Lungs, Abdomen, Back, Extremities, Neuro**
- **Patients meeting all the above criteria do not require spinal motion restriction. However, patients who fail one or more criteria above require spinal motion restriction, but does NOT require use of the long spine board for immobilization.**
- **Long spine boards are NOT considered standard of care in most cases of potential spinal injury. Spinal motion restriction with cervical collar and securing patient to cot, while padding all void areas is appropriate.**
- **True spinal immobilization is not possible. Spine protection and spinal motion restriction do not equal long spine board.**
- **Spinal motion restriction is always utilized in at-risk patients. These include cervical collar, securing to stretcher, minimizing movement / transfers and maintenance of in-line spine stabilization during any necessary movement / transfers. This includes the elderly or others with body or spine habitus preventing them from lying flat.**
- **Consider spinal motion restriction in patients with arthritis, cancer, dialysis, underlying spine or bone disease.**
- Range of motion (ROM) is tested by touching chin to chest (look down), extending neck (look up), and turning head from side to side (shoulder to shoulder) without posterior cervical mid-line pain. ROM should NOT be assessed if patient has midline spinal tenderness. Patient's range of motion should not be assisted, they must be able to complete alone.
- **EMR may participate in spinal motion restriction**
- **<u>Immobilization on a long spine board is not necessary where</u>:**
  Penetrating trauma to the head, neck or torso with no signs / symptoms of spinal injury.
- **<u>Concerning mechanisms that may result in spinal column injury</u>:**
  Fall from ≥ 3 feet and/or ≥ 5 stairs or steps
  MVC ≥ 30 mph, rollover, and/or ejection
  Motorcycle, bicycle, other mobile device, or pedestrian-vehicle crash
  Diving or axial load to spine
  Electric shock