



PREPAREDNESS, IMMOBILIZATION, & TRANSPORT IN SKIING EVENTS

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A Common Case

- A young man leaves the camp in order to skiing.
- A few hours later, the team begins to worry, when they notice his delay.
- They find him unconscious & injured in the depth of a valley.
- What should they do now?
- What should have they done, before?



Injury Prevention

- Pre-event phase
- Event phase
- Post-event phase



Pre-event Phase

- Adhering the team rules
 - Not leaving alone
 - Not entering the unknown passages
 - Communication tools
 - Visual barriers



Pre-event Phase

- Preparedness
 - Education
 - Against cold
 - GPS
 - Communication tools
 - Foodstuffs



Event Phase

- Preparedness
 - Education
 - Against cold
 - Communication tools
 - Foodstuffs



Post-event Phase

- Adhering the general rules
 - Scene safety
 - Working as a team
 - Do not harm more
 - Extrication
 - Immobilization
 - Treatments
 - Transport

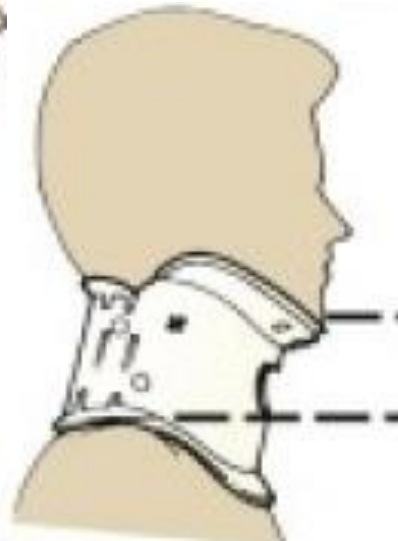
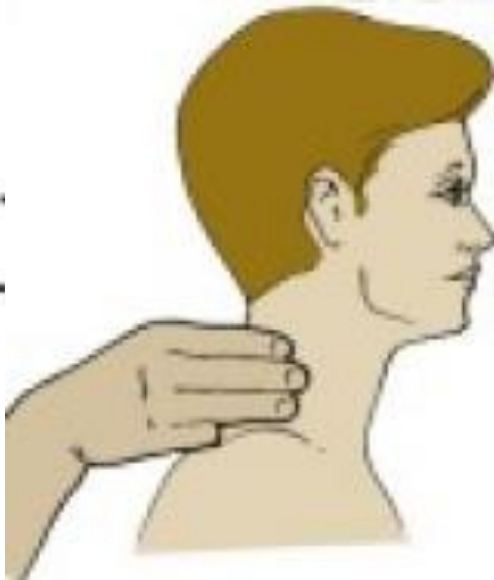
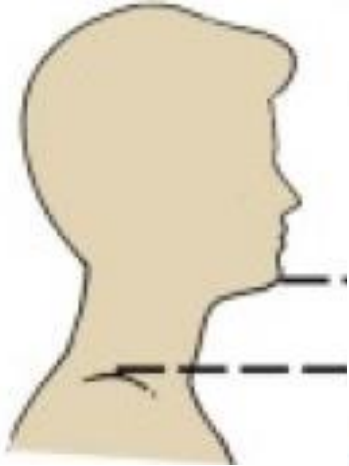




Philadelphia & Stifneck Collars



Pre-determining the Correct Size





Application (Supine Position)





Application (Sitting/Standing Position)

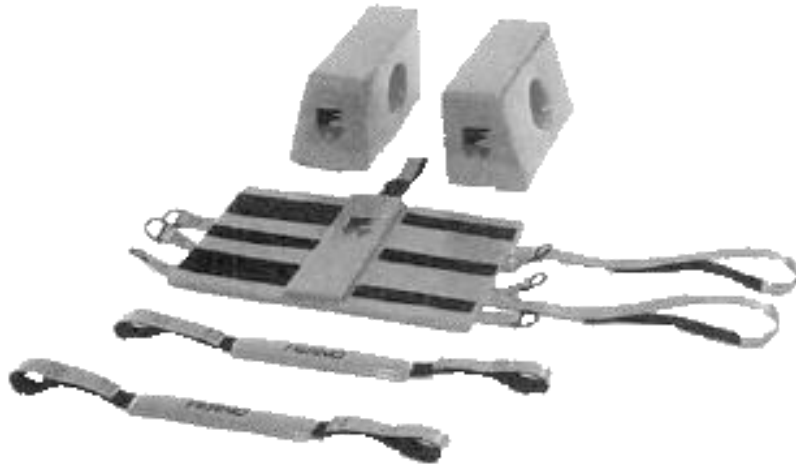


Collar Alone?





Lateral Head Immobilizers



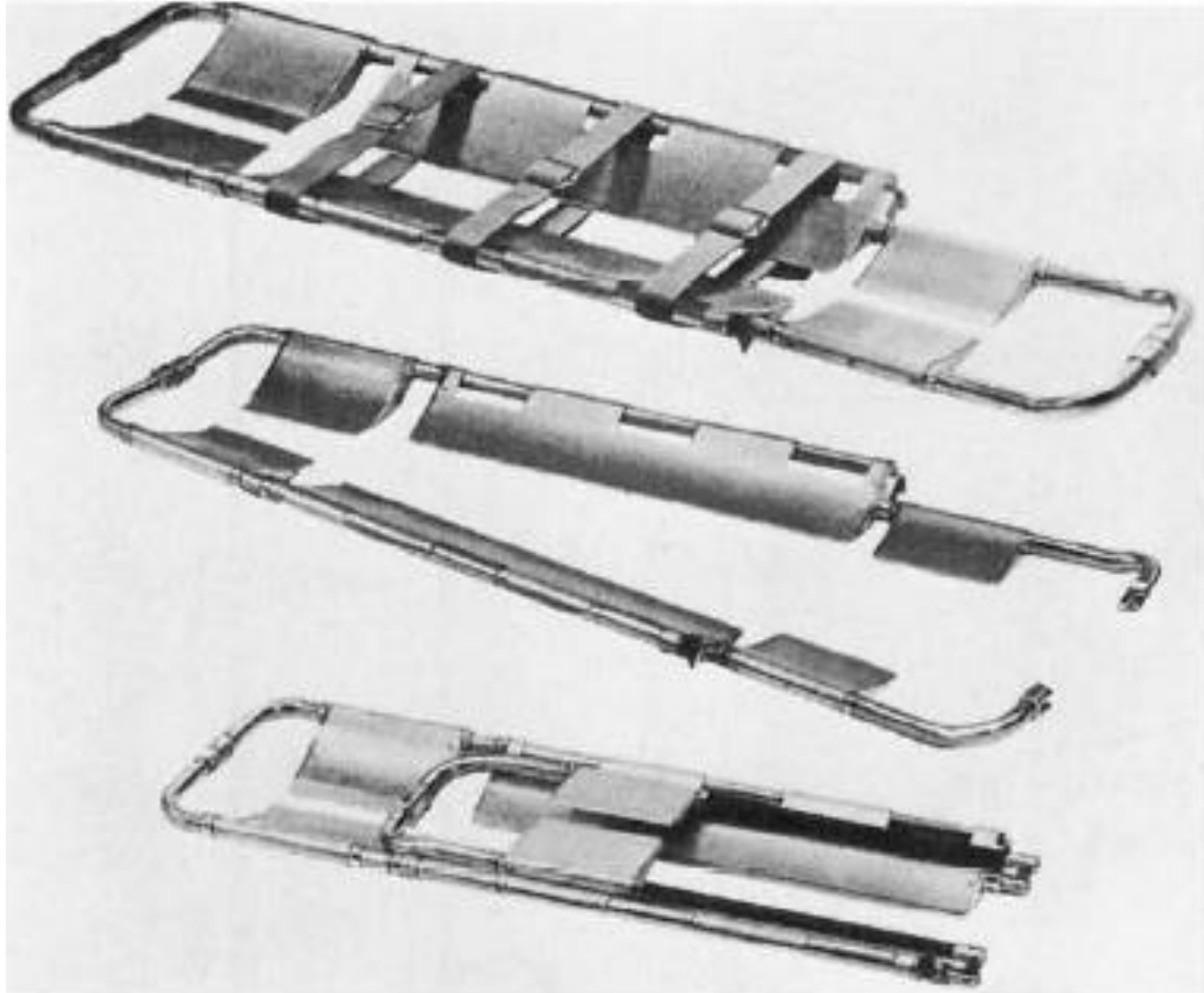


Horse Collar



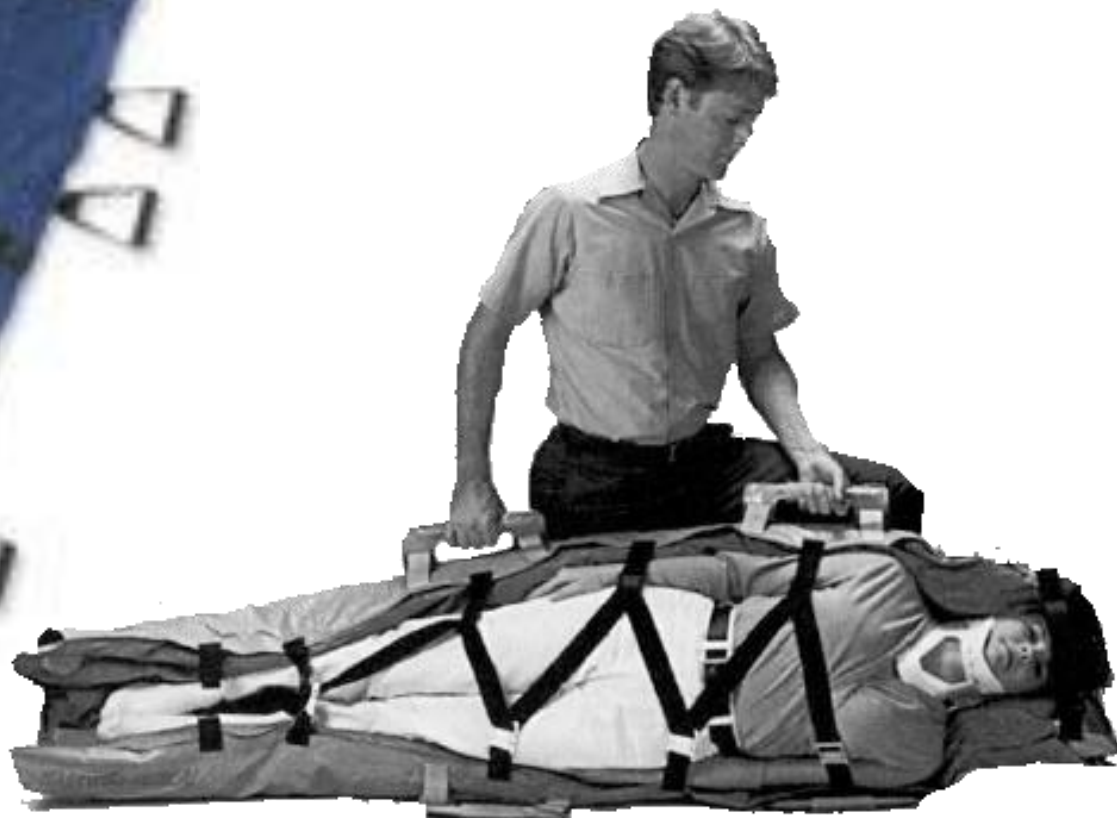


Scoop Stretcher





Vacuum Mattress Splint





Logroll Maneuver





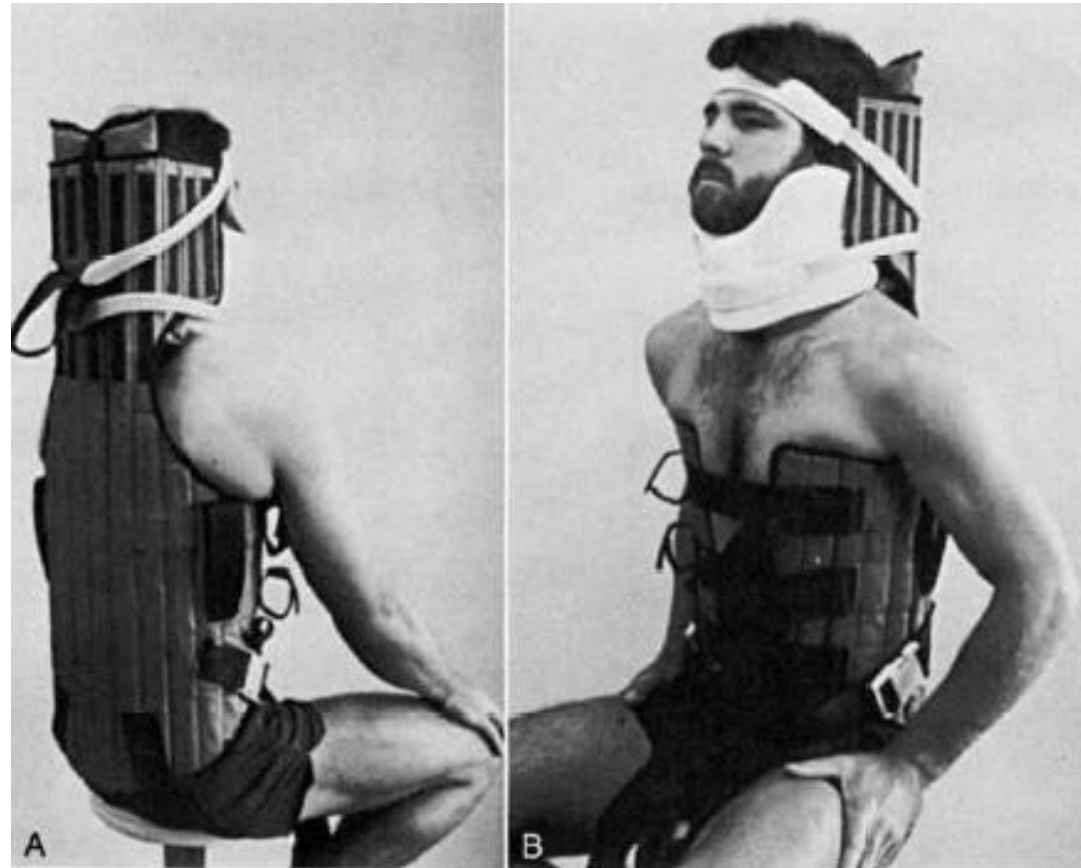
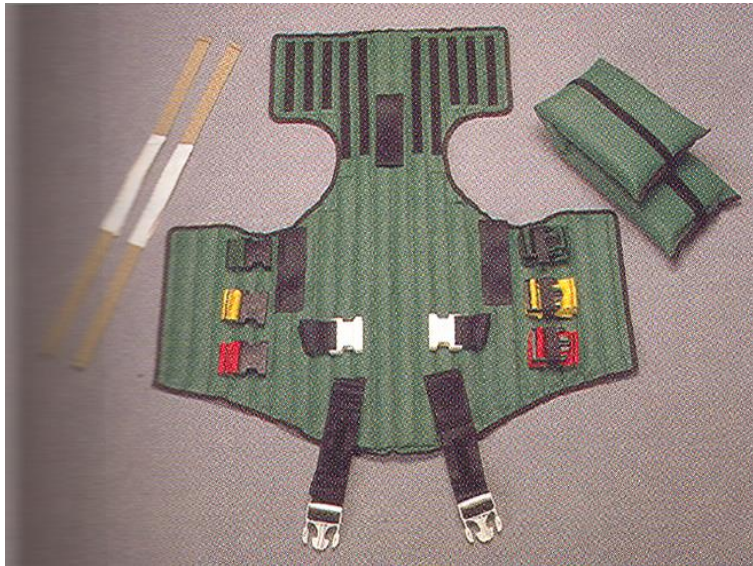
Logroll Maneuver





Sitting Position

- The Kendrick Extrication Device (KED)





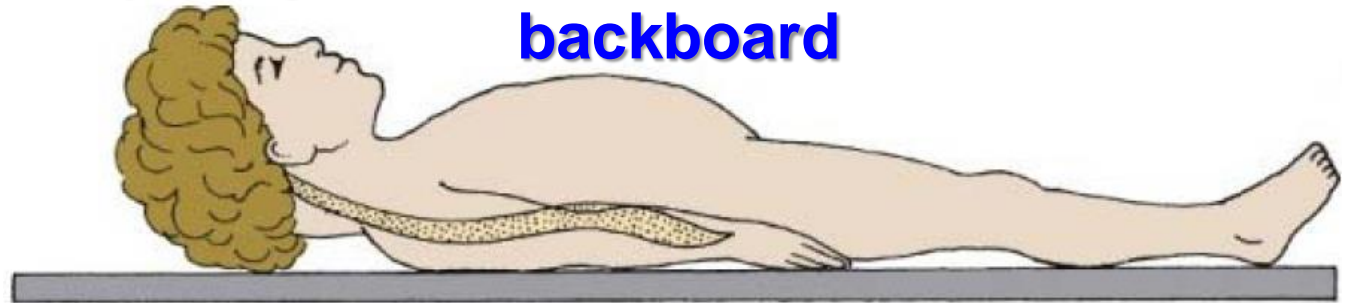
Sitting Position

- Snake splint

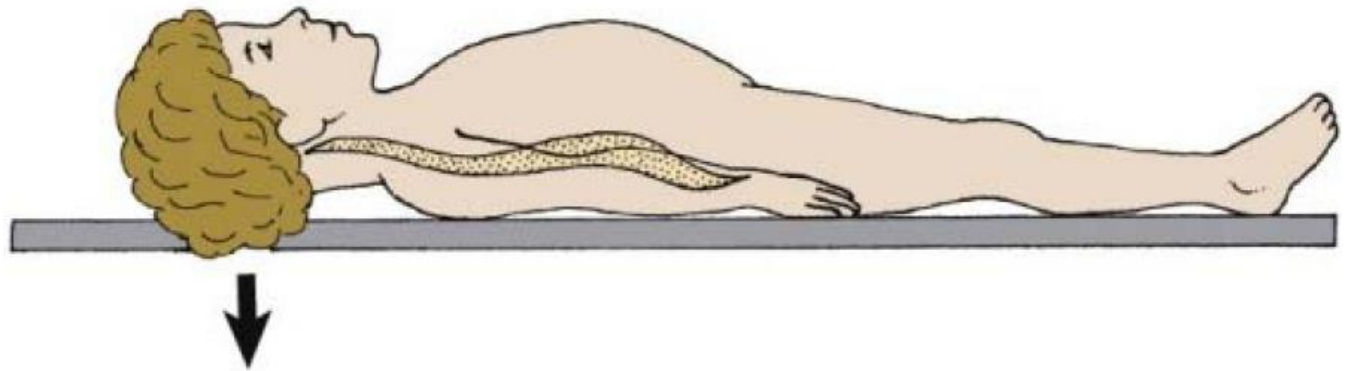




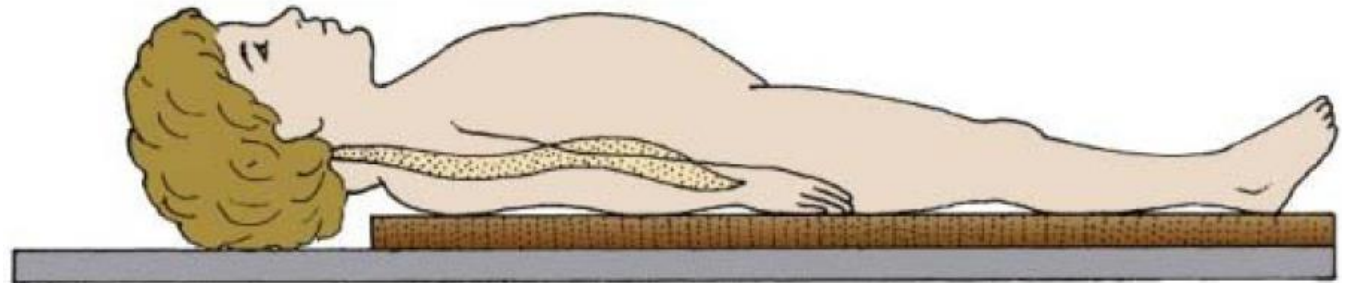
A young child immobilized on a standard backboard



An occiput cutout



A double mattress pad





Rigid Splints



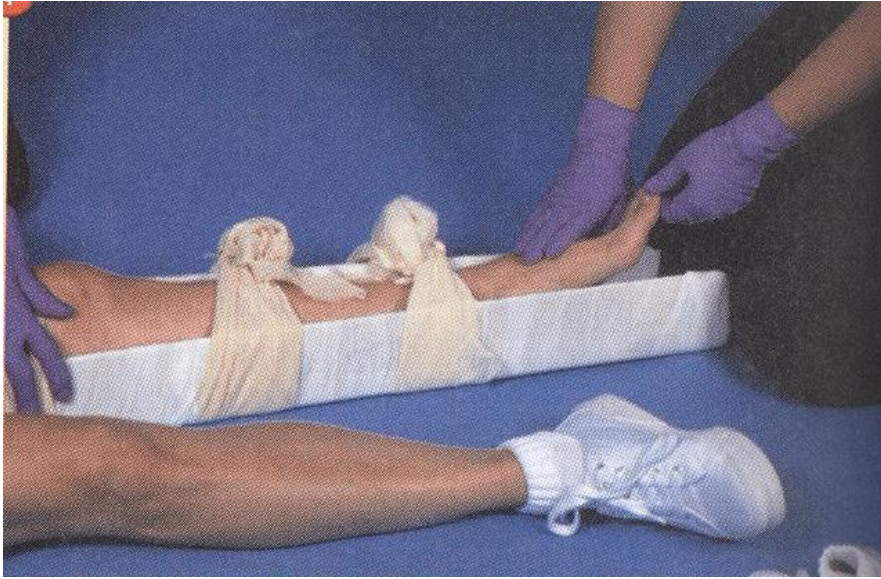


Vacuum Splint



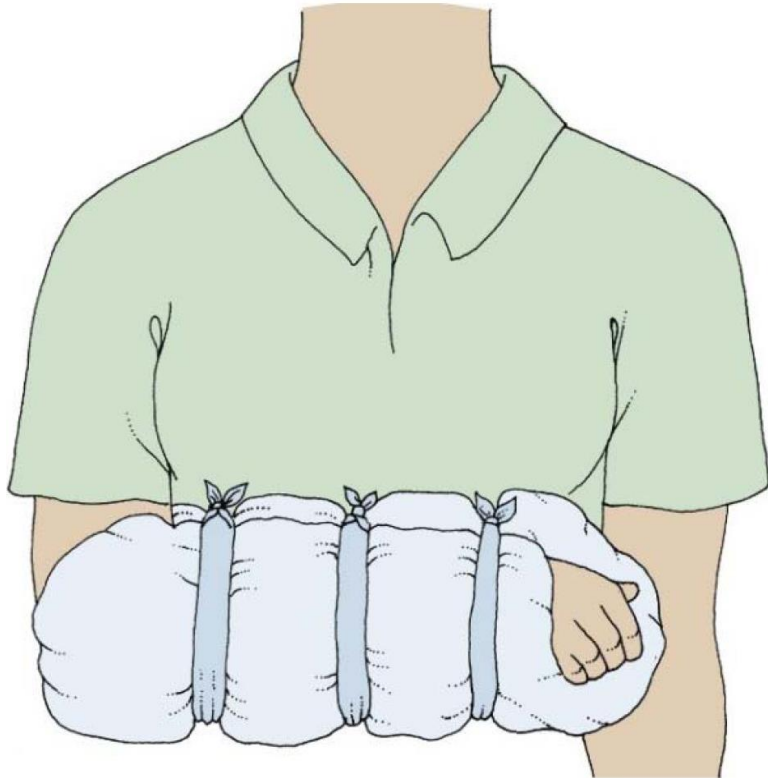


Cardboard Splint

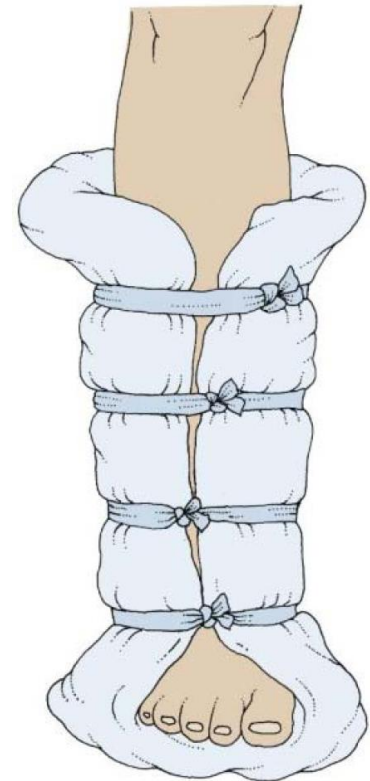




Soft Splints



Pillows

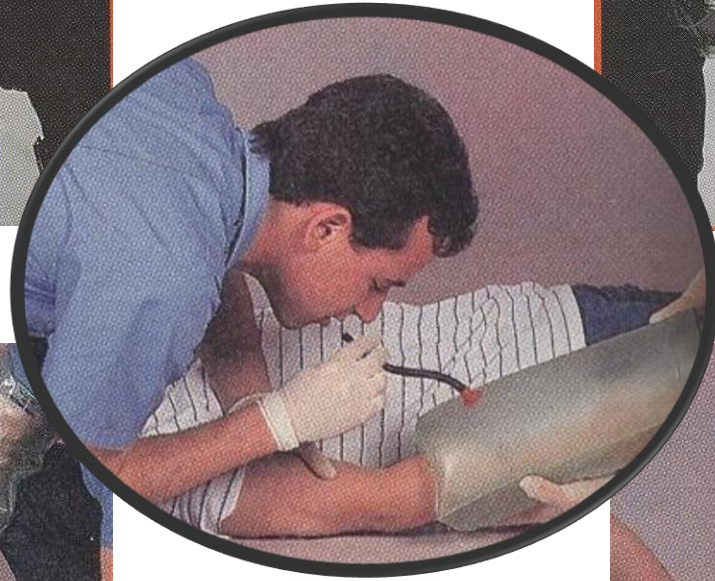




Sling with Swath

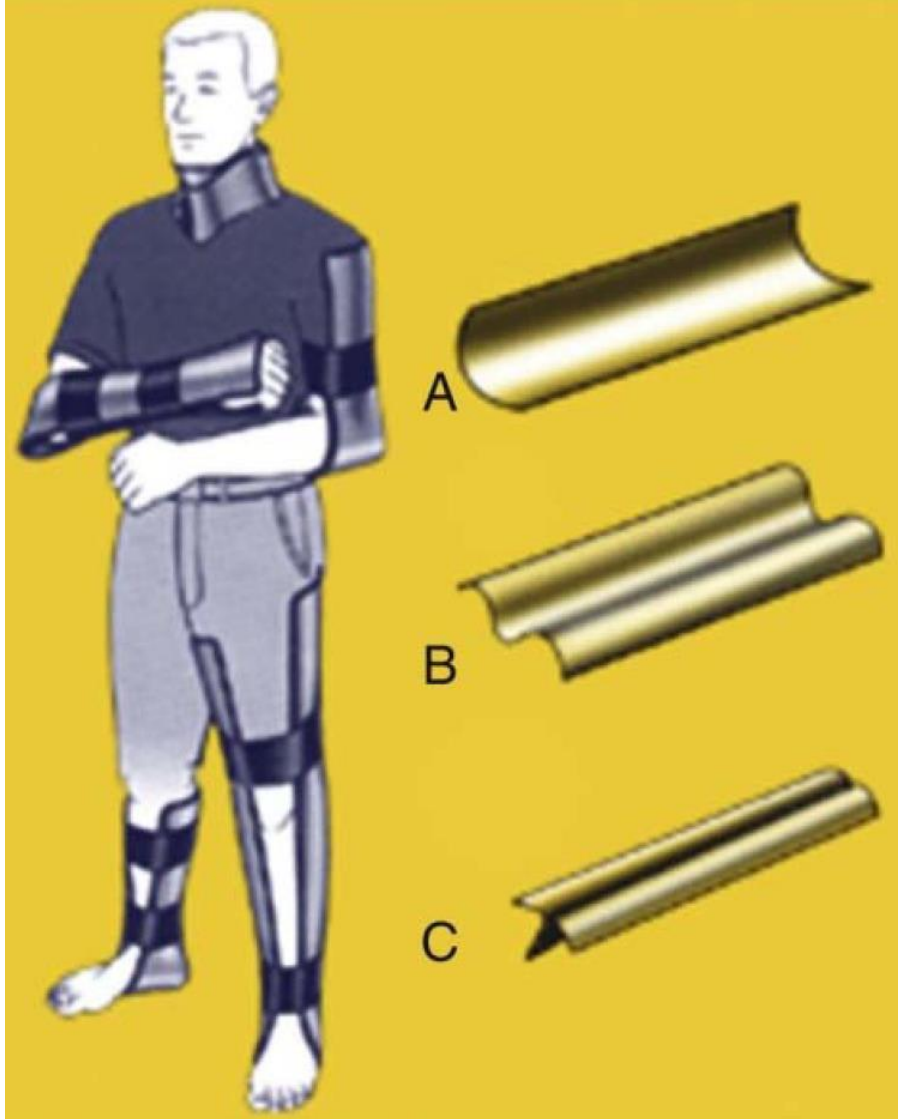


Inflatable Air (Plastic) Splints





SAM Splint





SAM Splint



A



B



C



D



E



F



G



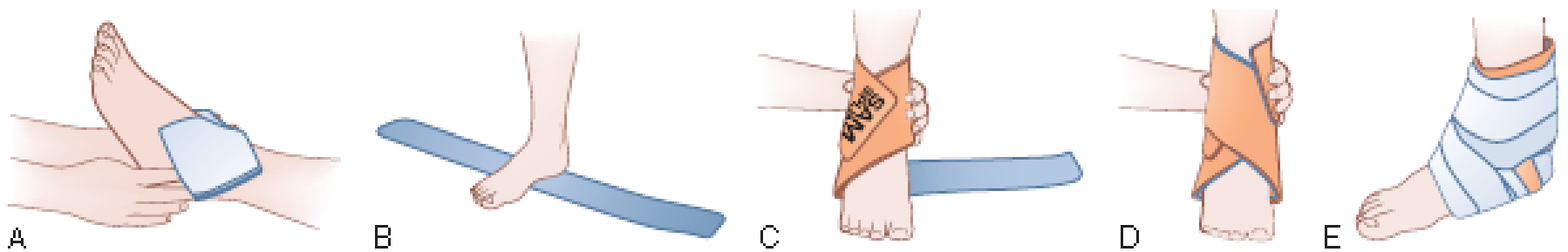
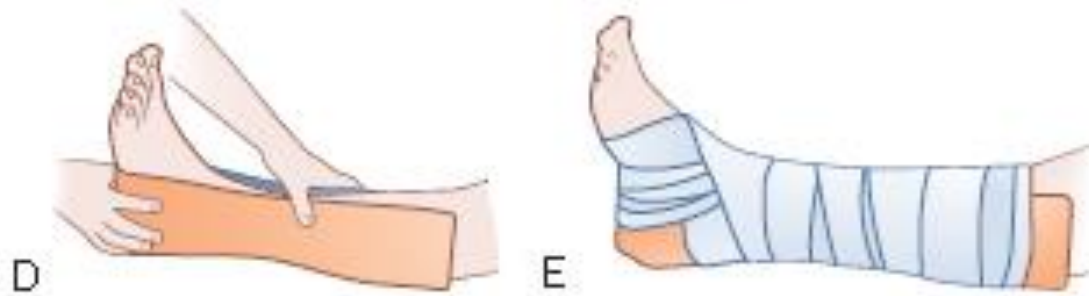
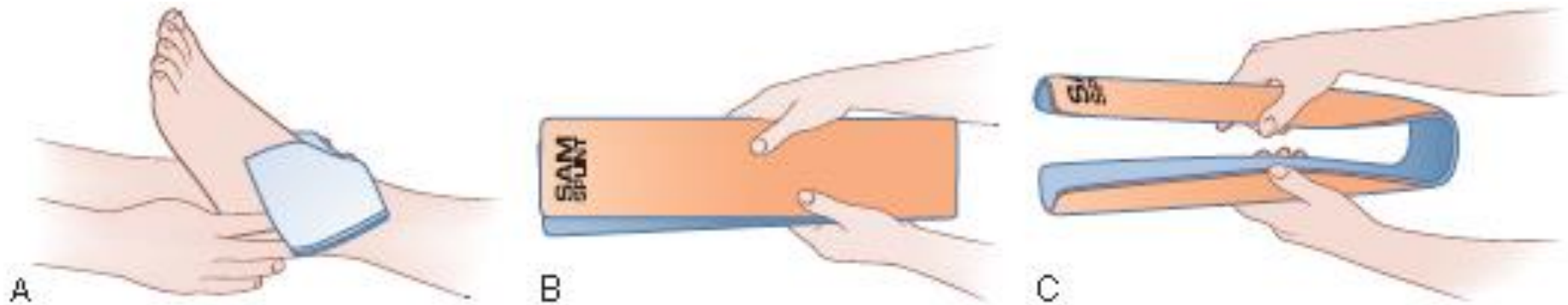
H



I



SAM Splint





Specialized Splints for Lower Ext.

- Winch-mechanism traction devices for femoral shaft fracture



Sager Emergency Traction Splint



Ferno-Trac Traction Splint



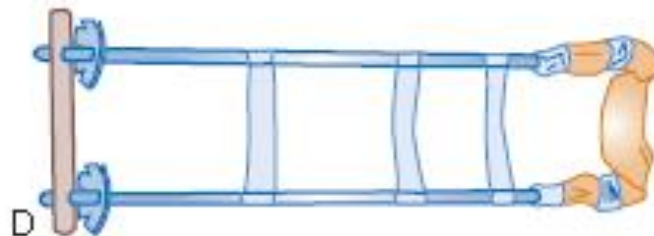
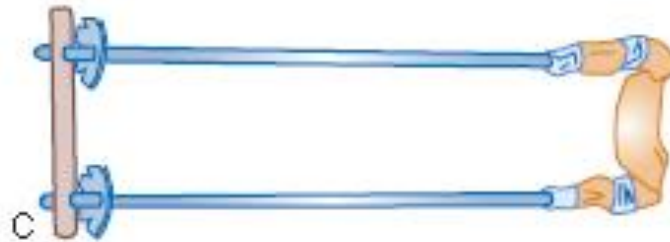
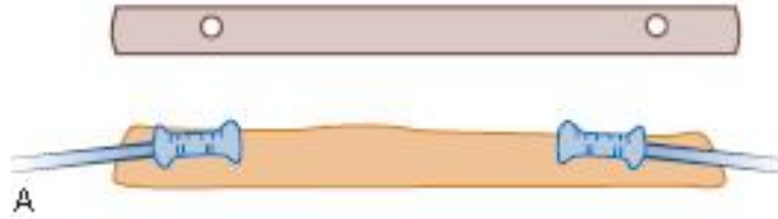
Hare Traction Splint



Kendrick Traction Device



Specialized Splints for Lower Ext.





Specialized Splints for Lower Ext.

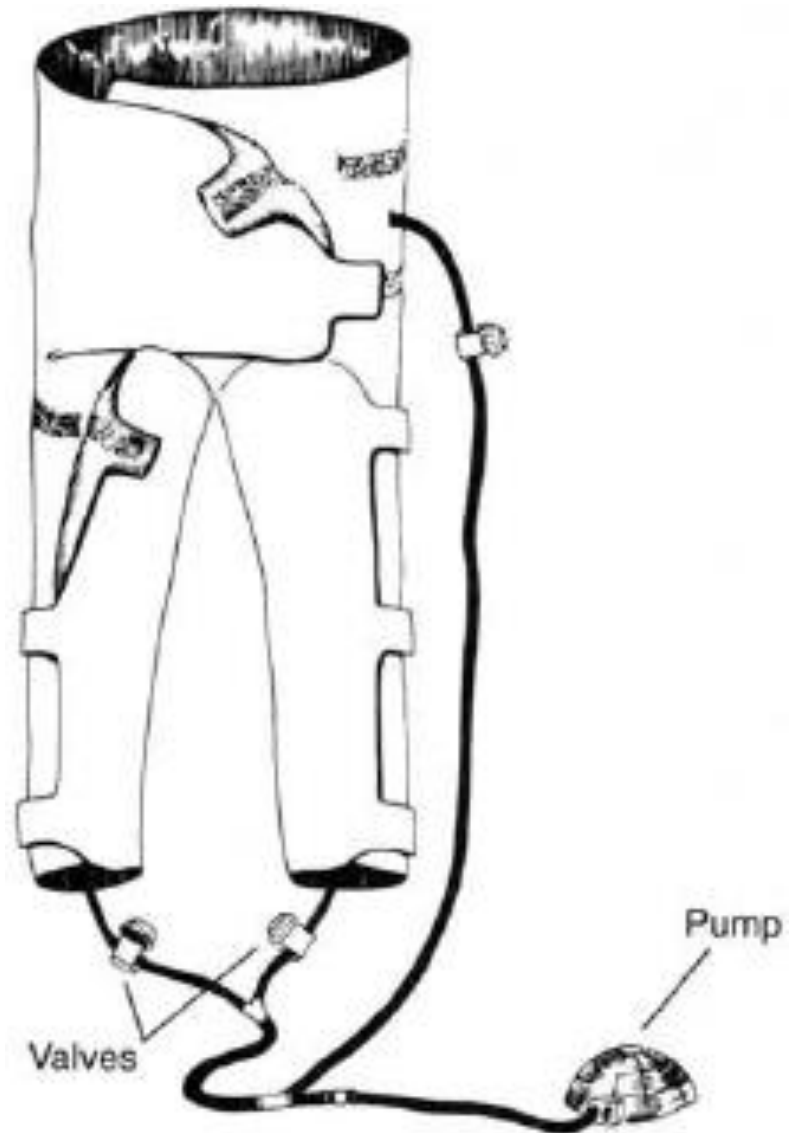


Sager Splint

Hare Splint

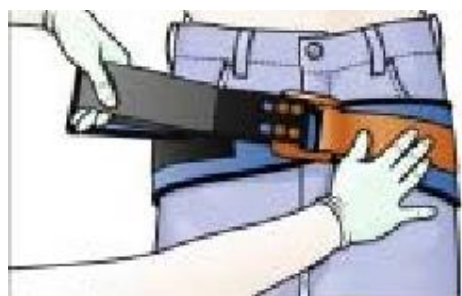
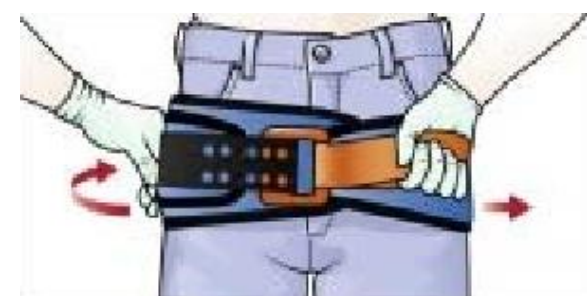
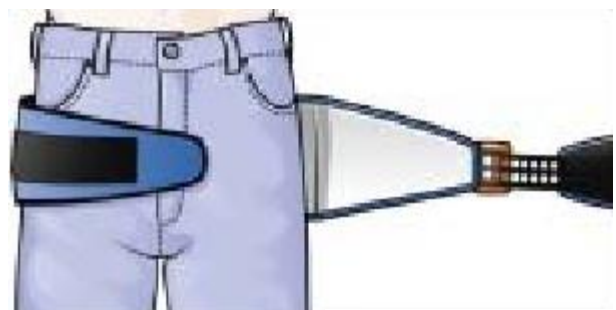
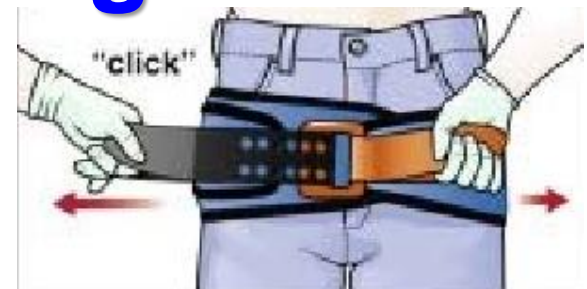
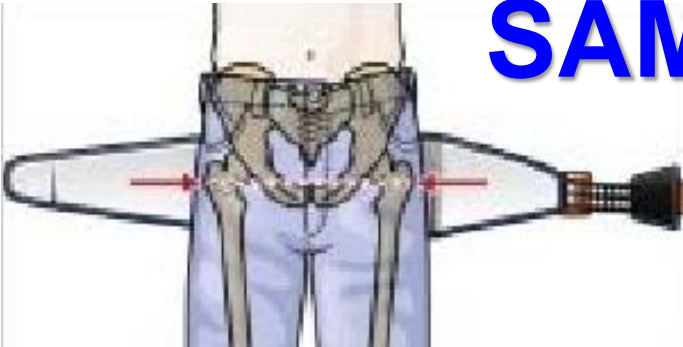


Pneumatic Anti-Shock Garment (PASG) Military Anti-Shock Trousers (MAST) G-suit



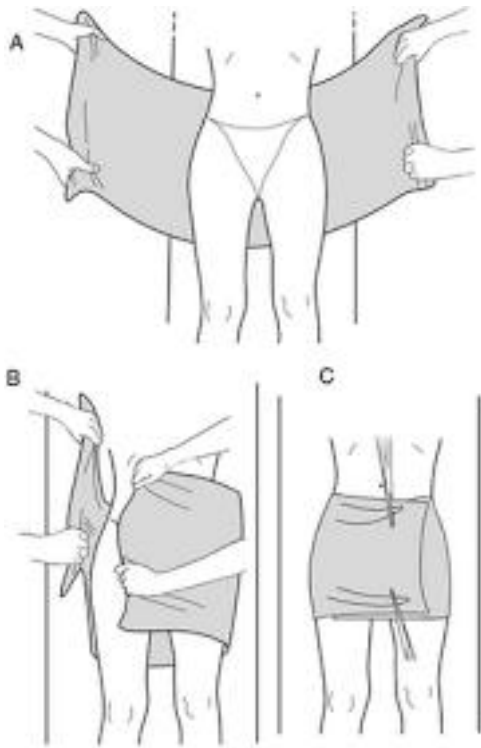


SAM Pelvic Sling





Pelvic Wrap



Immobilization & Partial Reduction of Displacement



Alternate Method for Pelvic Stabilization: Taping Feet Together





West-type Extrication Devices

- Described by Amir Salari; RN, MSc, Paramedic, PhD Candidate in Disaster & Emergency Health, Tehran, Iran





Preparedness, Immobilization, & Transport in Skiing Events

