

# Realizing Success in Immobilizing the Special Patient Population





### **Objectives**

 Review pediatric splinting and immobilization strategies

 Review splinting and immobilization strategies for patients with altered body habitus









### **Principles**

 Same principles apply to both the pediatric patient and those with altered body habitus

What are some of these principles?





#### **Pediatric Immobilization**

Extremity injuries

Spinal injuries









Extremity injuries

Pediatric Equipment

Adult Equipment













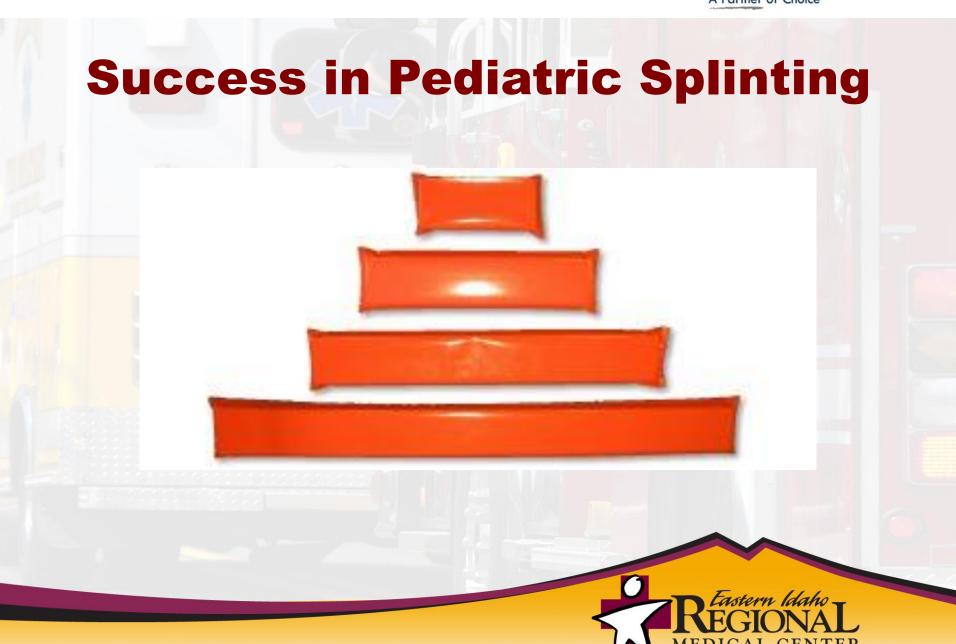




























Pediatric specific equipment use





Adapting adult equipment for pediatric use

Splinting principles should be maintained









Spinal injuries

Pediatric specific EMS equipment

Pediatric devices adapted to EMS purposes

Using adult equipment





Pediatric equipment use in immobilization













**Pedi-Pac** 









MedKids device -









Ferno Pedi Mate











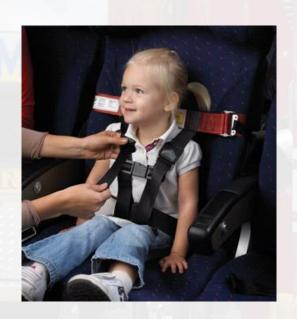








CARES – Child Aviation Restraint System













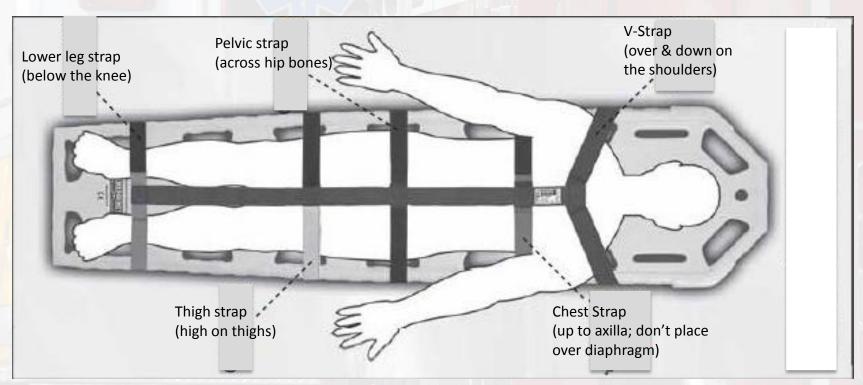


 Adapting adult immobilization equipment for pediatric use





### Success in Pediatric Immobilization Spider Strap







### Success in Pediatric Immobilization Cervical Spine Restraint

Cervical immobilization

Restraining the head/neck



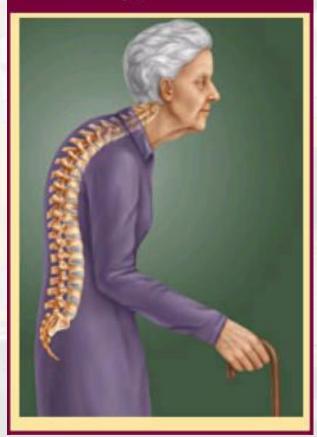


- Alteration in body from "normal"
  - Some commonly encountered in EMS are:
    - Kyphosis
    - Lordosis
    - Contractures
    - Pregnant
    - Amputations

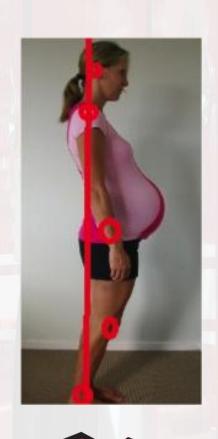




#### **Kyphosis**









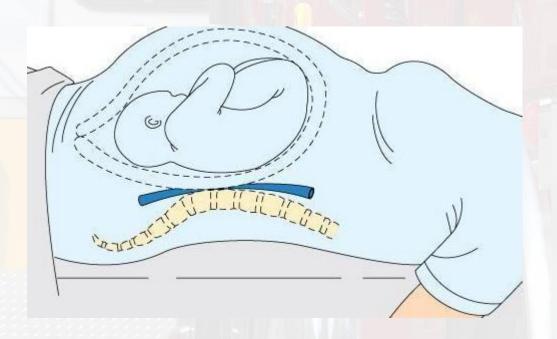


Contractures













- Amputations
  - Complete
  - Partial





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