HAZMAT/MULTIPLE CASUALTIES

Overview

7-3 Identify basic facts and terms about stress management and HAZMAT, general principles about safety considerations and prehospital care, step-by-step procedures for field triage, and why and when to observe and monitor a multisystem trauma and burn patient, with at least 80% accuracy.

Overview

- Hazardous Materials
- Incident Management System
- Multiple-Casualty Situations (MCS)

Hazardous Materials

- Common Problem
- Actual extent unknown
- Safety is

Hazardous Materials

- Safety is primary concern
  - EMT-B/crew
  - Patient
  - Public

Hazardous Materials

- Approaching the scene
  - Identification
  - General procedures
- Environmental Hazards

Hazardous Materials

- Resources
- NFPA HAZMAT requirements for EMS
  - NFPA 479
  - OSHA 1910.120

Incident Management Systems

- Why do we need an IMS
  - Provides ordinary means of communication
  - Easier interactions with other agencies

POLICE
FIRE

Incident Management Systems

- Extrication Sector
- Treatment Sector
- Transportation Sector
- Staging Sector

Incident Management Systems

- Supply sector
- Triage sector
- Mobile command sector

Roles

- Assigned to particular roles in sectors
- The EMT-B should report to Sector Officer for duties
- Compete task and report back to sector officer

Multiple-Casualty Situations

- Definition
- Basic Triage

Priorities

- Highest priority/First priority
  - »Patients who need immediate care and transport
  - »Color code = RED
  - »Treat these patients first, Transport ASAP

Highest Priority

- Airway and breathing difficulties
- Uncontrolled/severe bleeding
- Decreased mental status
- Severe medical problems
- Shock
- Severe burns

Priorities

- Second priority
  - »Patients whose treatment and transportation can be temporarily delayed
  - »Color Code = YELLOW
  - » Treat these patients after 1st priority

Second priority

- Burns without airway problems
- Major or multiple bone or joint injuries
- Back injuries

Priorities

- Lowest priority/Third priority
  - »Patients whose treatment and transportation can be delayed until last
  - »Color Code = GREEN

Lowest Priority

- Minor, painful, swollen, deformed extremities
- Minor soft tissue injuries
- Death
  - »Can also be fourth priority

Priorities

- Some systems have a fourth priority
  - »Color Code = BLACK

Fourth Priority

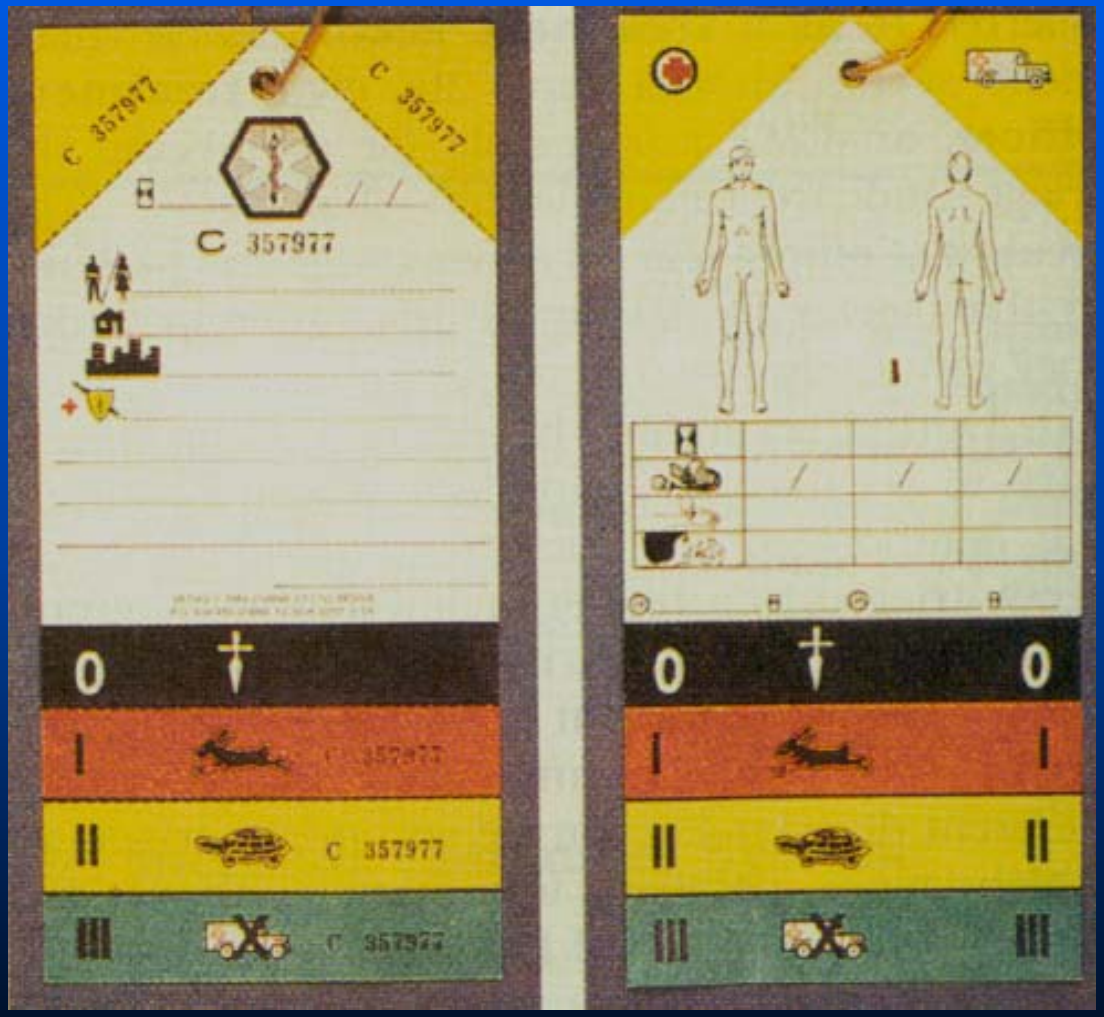
- Exposed brain matter
- Cardiac arrest
- Decapitation
- Severed trunk
- Incineration

Procedures

- Most Knowledgeable EMS provider becomes triage officer
  - Request help
  - Perform initial assessment on all patients first

Procedures

–Assign available personnel/ equipment



Procedures

- Patient transport decision
  - »Prioritization
  - »Destination facities
  - »Transportation resources
- Triage officer remains on scene

Review

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Review

- Hazardous Materials
- Incident Management System
- Multiple-Casualty Situations (MCS)