Realistic Training to Improve Skills Utilization

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February, 2010
Issues

- Despite training, some providers still seem uncertain and reluctant to implement their skills in the clinical setting.
- Lack of opportunity to work with other departments, and utilize ICS techniques.
- Maximize Training dollars
Concept

- Combination of:
  - Focused Didactics
  - Procedure Lab using Cadavers
  - High Fidelity Wireless Simulators
  - Realistic Scenarios
    - Combined teams from several services
    - Unfold in Real time
Didactic

- Brief lecture focused on relevant skill set:
  - Triage
  - Treatment
  - Transport
  - ICS
Procedure Lab

- Fresh cadaveric specimens
  - Anatomy dissection from neck to abdomen
    - Focused on relative anatomy, occasionally pathology
    - Basic airway management station
      - BVM, especially bagging technique
Procedure Lab

- Advanced Airway
  - Practice multiple advanced airways techniques
  - Practice decompression
  - High tech airway devices

- Vascular Access
  - Practice multiple advanced access techniques
  - Practice I/O
  - Hemorrhage Control
Simulations

- Focused on
  - Teamwork
  - ICS
  - Assessment
  - Treatment
  - Transport
Real World Scenario

- Grand Scenario pulls all elements together
- Requires teams to use all skills from the day
Recap

- All components filmed
- Review and feedback end of day
- Instructors and Students discuss each component
Results

- Improved Cross Service Cooperation
- Improved skills (anecdotal)
  - “More intubations here than last 3 years on the street”
  - “More comfortable with the Procedure”
  - “Best Training in 19 years in EMS”
Results

- Skills now employed in the field, especially by providers who were reluctant or insecure.
- Most improved technique: BVM
Logistics

- Medical Education and Research Institute
- Vacant Nearby Building
- Support from vendors
- Cost: $300 per student
Questions

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- Memphis Fire Department