

Preparing for the Worst– Training for the Best

A Practical Approach to Emergency Trauma Management

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Conflict of Interest Disclosure

- The views expressed in these slides and today's discussion are mine.
- My views may not be the same as the views of my company's clients or my colleagues.
- Participants must use discretion when using the information contained in this presentation





Objective

- Discuss the knowledge/skills associated with the administrative and risk management aspects of planning for an emergency injury/illness situation.
- Examine, discuss and demonstrate the appropriate emergency trauma equipment needed on-site or on-person during an emergent emergency situation.
- Examine, discuss and demonstrate the appropriate emergency trauma procedures needed to management an acutely ill or injured athlete.





We need 2 students to volunteer!!





Any takers?







- You witness a football player from an NCAA Division III football program in Alabama gently collapse 2.5 hours into the 3rd day of pre-season in-between running plays.
- Arriving on-scene the athlete presents with dizziness, drowsiness, irrational behavior, confusion, irritability, emotional instability, rapid and thready pulse, and labored breathing.
- You have established that patent airway, adequate breathing, and circulation exists!

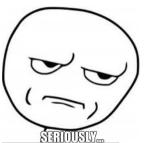




As part of the differential diagnosis you decide you need to distinguish between-

- 1. Hyponatremia
- 2. Exertional heat stroke, and
- 3. Traumatic brain injury

NOW GO.....



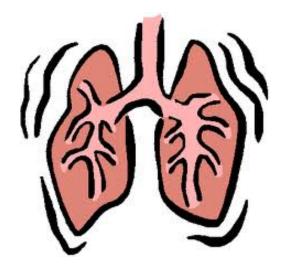




Athlete has now gone into respiratory arrest.

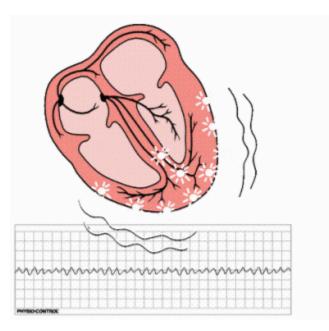








Athlete is now in cardiac arrest.







Now STOP!!!







• We need 2 *different* students to volunteer!!



Any takers?









- You witness a football player from an NCAA Division III football program in Alabama gently collapse 2.5 hours into the 6th day of pre-season in-between running plays.
- Arriving on-scene the athlete presents with dizziness, drowsiness, irrational behavior, confusion, irritability, emotional instability, rapid and thready pulse, and labored breathing.
- You have established that a patent airway, adequate breathing, and circulation.







As part of the differential diagnosis you decide you need to distinguish between-

- 1. Hyponatremia
- 2. Exertional heat stroke, and
- 3. Traumatic brain injury

NOW GO







Athlete has now gone into respiratory arrest.











Athlete is now in cardiac arrest.









Debrief





What was missing?



Why was it missing?



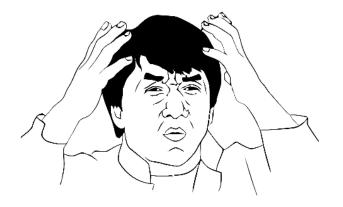


Debrief

How many actually have a flexible probe thermistor or other emergency equipment in your preceptor's kit?

WHY NOT?!?









Debrief

Would the missing equipment be in your emergency kit?

How do you know where to find what equipment is necessary?

What beyond equipment must be considered?







Event Planning and Preparation

Journal of Athletic Training 2002;37(1):99-104 © by the National Athletic Trainers' Association, Inc www.journalofathletictraining.org

National Athletic Trainers' Association Position Statement: Emergency Planning in Athletics

J. C. Andersen*; Ronald W. Courson†; Douglas M. Kleiner‡; Todd A. McLoda§

Journal of Athletic Training 2012:47(1):96–118 © by the National Athletic Trainers' Association, Inc www.nata.org/jat

position statement

National Athletic Trainers' Association Position Statement: Preventing Sudden Death in Sports

Journal of Athletic Training 2007;42(1):143–158 © by the National Athletic Trainers' Association, Inc www.journalofathletictraining.org

communications



Inter-Association Task Force Recommendations on Emergency Preparedness and Management of Sudden Cardiac Arrest in High School and College Athletic Programs: A Consensus Statement



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Are you prepared for the ULTIMATE EMERGENCY?



SPEAK UP

REACH OUT



Homelar Security

IS-907 – Active Shoo What You Can Do

Begin the Training

{SUICIDE} IS 100% PREVENTABLE





"You are not studying or practicing to pass the exam ...

You are studying / practicing for the day when you are the only thing between the athlete and the grave!"







"There is no such thing as ALWAYS and NEVER"

Dr. James Andrews, MD Birmingham, AL

Black & White vs. Gray?

- Every emergency situation & every patient is different
- Individual circumstances must dictate appropriate actions











"If it is predictable ... It is manageable!





"It's possible, but not probable"

Do you plan/prepare for the possible or the probable situation?

Prepare for all of the possibilities ... you will be prepared for all of the probabilities





MARYLAND STATE POLICE



Emergency Planning

Critical 15%-

The first 15% / 15 minutes of any emergency determines the effectiveness of the remaining 85%

First 15% = planning

85% = implementation











"In times of stress, you will always fall to the level of your training, not rise to the level of your expectations"







- Systems based approach
- Each person has a specific preassigned duty
- Each person is strategically placed to maximize effectiveness
- Each duty is coordinated for efficiency
- As personnel integrate into the system → add interventions
- Frequent practice













"Time Outs"

- *"Time Out"* system for athletic health care
- Convene the health care professionals who comprise the emergency response team

- Pre-event checklist
 - EAP
 - Roles & responsibilities
 - Communication
 - Equipment & resources
 - Transportation plan
 - Other / Miscellaneous



Emergency Planning

Questions-

- Is your plan practical?
- Is your plan flexible?
- Who signs off / reviews your EAPs?
- Who are the EAPs distributed to?
- Are the EAPs posted at facilities?
- Does EMS have detailed maps of your facilities?













Discussion

Why is planning important?

What type of events are we planning for?

What are the different roles during an emergency situation?

How can we minimize legal liability through planning?







What type of documentation is important?

What training do you participate in?

What equipment do you have?

Communication plan \rightarrow

- Before
- During
- After





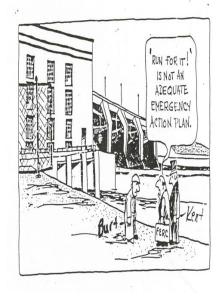




Emergency Planning

Do you have plans for-

- Cardiac / Medical emergency
- Severe Bleeding
- Severe Weather
- Activity modification for excessive heat and/or air quality
- Cold weather emergencies
- Mental Health crisis
- Active Threat
- Catastrophic Injury
- Crisis Communication
- Equipment
- Training
- Documentation









Emergency Planning

Avoiding Bad Outcomes-

- ALWAYS have a plan.
 - Have a back-up plan, and a back-up for that plan.
- Anticipate "worst case" scenarios
- Practice visualization & mental rehearsal
- Check your ego!
- Control your breathing.







Bottom Line

- When confronted with an emergency, catastrophic, and/or crisis situation, personnel have options with regards to the overall management of the athlete & the situation.
 - "There is no such thing as ALWAYS & NEVER"
 - Every emergency situation & every patient is different
 - Individual circumstances must dictate appropriate actions
 - "The TEAM ... The TEAM ... The TEAM"
 - DO THE RIGHT THING!
- Regardless of the situation, relentless preparation & planning, consistent & stressful training, and an understanding of the benefits & drawbacks of each option is imperative.





ATHLETICS

Take Home Messages



- <u>Team</u> Approach
 - Leadership / Fellowship / Relationships
 - "Leave Your Ego At The Door"
 - Train Often & Train Together
- Mental Rehearsal
 - "Expect the Unexpected"
 - "If it is predictable ... It is Manageable"
- **TEAM** must carefully weigh all factors and make educated decisions, using the best available **EVIDENCE** base on what best fits into their individual situations



QUESTIONS

