



Colorado EMS Primary Instructor Training Lesson Guide

Session Title: Advantages of AED Use

Session Reference:

Time Required: 10 minutes

Materials:

References: National D.O.T. E.M.T. Curriculum

Prepared By:

Preparation / Set:

Attention / Motivation:

Over 600,000 patients die each year from cardiovascular diseases; half of those occur outside of the hospital, with sudden death being the first sign of cardiac disease in 50%.

Rapid defibrillation is the major determinant of survival in cardiac arrest caused by ventricular fibrillation.



Objectives:

At the completion of this session, the student will be able to:

1. Discuss the advantages of AEDs.

Session Overview:

- C Training on the AED
 - C Speed of operation
 - C Remote defibrillation
 - C Optional rhythm monitoring
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Instructor Notes	Outline
	<ul style="list-style-type: none"> I. Advantages of automated external defibrillation <ul style="list-style-type: none"> A. Initial training and continuing education <ul style="list-style-type: none"> 1. Easier to learn than CPR, however, must memorize treatment sequence 2. EMS delivery system should have: <ul style="list-style-type: none"> a. Necessary links in chain of survival b. Medical direction c. EMS system with audit and/or quality improvement program in place d. Mandatory continuing education with skill competency review 3. Continuing competency skill review every three months B. Speed of operation - first shock can be delivered within one minute of arrival at the patient's side C. Remote defibrillation through adhesive pads <ul style="list-style-type: none"> 1. Defibrillation is "hands-off" 2. Safer method 3. Better electrode placement 4. Has larger pad surface area 5. Provokes less anxiety in the EMT D. Rhythm monitoring - option on some defibrillator models

Summary:

Review:

- C Training on the AED
- C Speed of operation
- C Remote defibrillation
- C Optional rhythm monitoring

Re-motivation:

Evaluation

Written test and/or quizzes.