

ASPIRIN Administration by Basic and Intermediate EMT's Program Overview

Program Title

“ASPIRIN Administration by Basic and Intermediate EMT's”

Student Eligibility

- Emergency Medical Technicians certified in the Commonwealth of Massachusetts currently functioning with an ambulance service.

Course Format

- Although this material may be presented in a number of formats, a lecture /discussion model with practical scenario is given here.

Objectives

Upon completion of the training program, the EMT Basic or Intermediate provider will be able to:

- Discuss the Massachusetts Pre-Hospital Treatment Protocol concerning Aspirin administration
- State the indications and contraindications of administering Aspirin.
- Describe the procedure for administering Aspirin.
- Demonstrate understanding by successfully completing a patient scenario.

Outline

- See the attached Program Outline

Teaching Methods

- Lecture / Discussion
- Scenario Situations
- Open Question and Answer Periods

Faculty

- Any Massachusetts MD, PA, RN or EMT-Paramedic currently authorized by Medical Control to provide this training. The individual must have an understanding of the Massachusetts Statewide Pre-Hospital Protocols.

References

- Massachusetts Statewide Pre-Hospital Protocols version 4, November 1, 2001

ASPIRIN Administration by Basic and Intermediate EMT's Program Outline

1. Program Overview (5 minutes)

- 1.1. Student Registration and Administrative Concerns
- 1.2. Introduction of Faculty
- 1.3. Program Objectives
- 1.4. Program Outline
- 1.5. Program Duration

2. Review of Massachusetts Protocol concerning Aspirin Administration (15 minutes)

- 2.1. Effectuated protocol: Chest Pain 1.5
- 2.2. Indications
 - 2.2.1. Non-traumatic Chest Pain
- 2.3. Contraindications
 - 2.3.1. Allergy to Aspirin
 - 2.3.2. Patient unresponsive.
 - 2.3.3. Patient unable to control swallowing
 - 2.3.4. Gastrointestinal bleeding
 - 2.3.5. Already taken Aspirin within the past 12 hours
 - 2.3.6. Pediatric patients
- 2.4. Adverse reactions
 - 2.4.1. Heartburn
 - 2.4.2. GI Bleeding
 - 2.4.3. Nausea, vomiting
 - 2.4.4. Wheezing in allergic patients
 - 2.4.5. Prolonged bleeding

3. Review of local policies, including documentation (10 minutes)

- 3.1. Medical Control education required prior to use.
- 3.2. Documentation on patient care report (run form) of drug given.
 - 3.2.1. Documentation must include:
 - 3.2.1.1. Time aspirin given
 - 3.2.1.2. Amount given
 - 3.2.1.3. Route (PO)
 - 3.2.1.4. Complications encountered
 - 3.2.1.5. Name of provider administering
- 3.3. Verbal report to ALS intercept, if none than when turning over patient care in ED

4. Aspirin (10 minutes)

- 4.1. How Supplied
 - 4.1.1. Bottle purchased over the counter: chewable baby aspirin (81 mg/tablet)
- 4.2. Dosage
 - 4.2.1. 162 mg (2 baby aspirins), unless contraindicated
- 4.3. Route
 - 4.3.1. (PO) Directions for patient to chew and swallow
- 4.4. Mechanism of action
 - 4.4.1. Platelet function (prostaglandin) inhibitor. Aspirin blocks the formation of the substance Thromboxane A₂, which causes platelets to aggregate and arteries to constrict.

5. Student scenarios (20 minutes)

6. Review, Questions and Answers (5 minutes)

Total Program Time One Hour (60 minutes)