

MONTANA BOARD OF MEDICAL EXAMINERS
PO Box 200513, 301 South Park Avenue 4th Floor
Helena, Montana 59620-0513
Phone (406) 841-2380 or (406) 841-2328 FAX (406) 841-2305
E-MAIL dlibsmed@mt.gov Website: www.emt.mt.gov

Terminal Objectives

EMT-B MEDICATION Endorsement

Terminal Objectives for the EMT-Basic Medication Endorsement

The purpose of the Medication Endorsement for EMT-B is to provide the EMT-B with the knowledge and skills to carry and administer medications that they are currently only able to assist with.

Patient care should always be based on patient presentation and Montana Prehospital Treatment Protocols.

FORWARD

The Montana Board of Medical Examiners (BOME) developed the EMT endorsement process to provide the local EMS medical director the ability to expand the individual EMT scope of practice. The BOME has defined the “maximum allowable” skills for each endorsement and established statewide protocols. The endorsement process consists of education and verification.

The local EMS medical director is responsible for verifying an EMT’s knowledge and skills for a particular endorsement. This can be accomplished via a training program; or the medical director may take into account an EMT’s previous education, skill ability or other personal knowledge to determine whether an EMT meets the endorsement knowledge and skill requirements. The local medical director is responsible for the quality of all endorsement training via direct participation and/or oversight.

The medical director cannot exceed the scope of the endorsement, but may set limits on the ambulance service or the individual EMT. As an example, the medical director might wish the local ambulance service or an individual EMT to utilize pulse oximetry but not cardiac monitoring.

The endorsement material that follows provides the terminal knowledge and psychomotor objectives at the specific endorsement level. The endorsements (specifically at the EMT-Intermediate and EMT-Paramedic levels) may be non-specific in certain areas (such as specific medications or routes of administration) as the Board does not intend to “practice medicine”. The medical director “practices medicine” and has the ability to determine the specific’s concerning the endorsement. The Board approved protocols define the extent of the local medical directors flexibility: “... *The Board authorizes the service medical director to use the Board approved protocols in their entirety or may determine to limit individual EMT providers function / practice where appropriate and in accordance with provider’s abilities. However, the service medical director may not significantly alter (change the performance expectations of the EMT) or expand approved Board protocols without first seeking Board of Medical Examiners approval.*” If the medical director wishes to request the Board to “significantly alter” the protocol there is a process identified in the rules for that to occur.

Many of the endorsements are combinations of each other. Specifically they are: FR-Ambulance includes FR-Immobilization, EMTB-IV Initiation includes EMTB-IV Maintenance, and EMTB-Intubation includes both EMTB-Airway and EMTB-Monitoring. The endorsement levels at the EMT-Paramedic level are slightly different then at the other levels in that all of the endorsement levels are all subsets of the Critical Care

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endorsement. Therefore if a Critical Care endorsement is granted to an EMT-P, they have completed all of the other endorsements. This does not work in reverse though, if an EMT-P has all of the endorsement levels but Critical Care, Critical Care is not granted by default.

The endorsement process requires that the medical director complete a specific "verification form" (certificate of completion) documenting that an individual EMT has the knowledge and skills identified at the specific endorsement level. The individual EMT then submits an application to the Board to establish the endorsement on their license. The medical director then has the option of granting permission to the individual EMT to perform the endorsement to the extent defined by the medical director. All forms and endorsement materials can be obtained from the web site; www.emt.mt.gov. Any questions or concerns can be addressed to Ken Threet at (406) 841-2359 or kthreet@mt.gov.

TERMINAL OBJECTIVE SUMMARY

At the completion of this lesson, the EMT-Basic Medication the EMT-Basic may carry and administer approved medications as identified by Montana Prehospital Treatment Protocols.

COGNITIVE OBJECTIVES

At the completion of this unit, the EMT-Basic with the Medication Endorsement will be able to:

- List and describe medications which the EM-B may administer according to protocol.
- Discuss special consideration in regard to pregnant, pediatric and geriatric patients.
- List and describe general properties of the approved medications.
- List and describe liquid, solid, and gas drug forms of the approved medications.
- List and differentiate routes of approved medication administration.
- Describe mechanisms of approved medications.
- Discuss considerations for storing the approved medications.
- Review the specific anatomy and physiology pertinent to the approved medication administration.
- Calculate drug dosages for the approved medications for adults, infants and children.
- Discuss legal aspects affecting medication administration.
- Discuss the "six rights" of drug administration and correlate these with the

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principles of medication administration.

Discuss medical asepsis and the differences between clean and sterile techniques.

Describe use of antiseptics and disinfectants.

Describe the use of universal precautions and body substance isolation (BSI) procedures when administering a medication.

Describe the indications, equipment needed, techniques utilized, precautions, and general principles for each of the approved medications.

PSYCHOMOTOR OBJECTIVES

At the completion of this unit, the EMT-Basic with the Medication Endorsement will be able to:

Demonstrate universal precautions and body substance isolation (BSI) procedures during medication administration.

Demonstrate clean technique during medication administration.

Demonstrate preparation and administration of all approved medications

Demonstrate disposal of contaminated items and sharps.

LESSON PLAN: can be obtained from the EMT-I 99 or Paramedic DOT Curriculum

RECOMMENDED TIME TO COMPLETE:

5 hours for lecture and skills practice, but does not include clinical requirements.

RECOMMENDED EQUIPMENT:

BSI Equipment (gloves, gown, mask, etc)

IV Infusion Arm

Auto Injector Trainer

Inhaler Trainer

Nebulizer Equipment

Breath Spray and or breath mints (to simulate Nitro)

Gauze Pads (2x2, etc)

Alcohol Preps or similar substitute

Sharps Container

Expired medications (glucagon, nitro, etc)

Jumpkit (assessment materials, B/P cuff stethoscope, etc)

OVERVIEW:

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While the major purpose of this endorsement is to prepare the EMT-B to administer approved medications, the expected outcome is that the EMT-B understands the importance of medications and the dangers associated with their administration and can safely administer the approved medications as identified by Montana Prehospital Treatment Protocols.

MEDICATIONS THAT MAY CARRIED ON THE EMTs

Epinephrine (auto injector or prefilled syringe)
Nitroglycerin (tablet or spray)
Albuterol, Isoetharine, Metaproteranol, etc. (inhaler & nebulizer)
Glucagon
Oral Glucose
Aspirin
Benadryl

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VERIFICATION FOR EMT-B MEDICATION ENDORSEMENT

Student Name: _____ License Number: _____

I certify that _____ is competent in the following terminal objectives regarding the EMT-Basic Medication Endorsement. The course or education was conducted according to Board policies and procedures.

COGNITIVE OBJECTIVES

PSYCHOMOTOR OBJECTIVES

<p>List and describe medications which the EM-B may administer according to protocol. Discuss special consideration in regard to pregnant, pediatric and geriatric patients.</p> <p>List and describe general properties of the approved medications. List and describe liquid, solid, and gas drug forms of the approved medications. List and differentiate routes of approved medication administration. Describe mechanisms of approved medications. Discuss considerations for storing the approved medications. Review the specific anatomy and physiology pertinent to the approved medication administration. Calculate drug dosages for the approved medications for adults, infants and children. Discuss legal aspects affecting medication administration. Discuss the "six rights" of drug administration and correlate these with the principles of medication administration. Discuss medical asepsis and the differences between clean and sterile techniques. Describe use of antiseptics and disinfectants. Describe the use of universal precautions and body substance isolation (BSI) procedures when administering a medication. Describe the indications, equipment needed, techniques utilized, precautions, and general principles for each of the approved medications.</p>	<p>Demonstrate universal precautions and body substance isolation (BSI) procedures during medication administration. Demonstrate clean technique during medication administration. Demonstrate preparation and administration of all approved medications Demonstrate disposal of contaminated items and sharps</p>
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Signature of Medical Director, responsible for the Training Program	PRINTED Name	Dated
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Montana Physician License Number