

MONTANA BOARD OF MEDICAL EXAMINERS
PO Box 200513, 301 South Park Avenue 4th Floor
Helena, Montana 59620-0513
Phone (406) 841-2300 FAX (406) 841-2305
E-MAIL dlibsmed@mt.gov Website: www.emt.mt.gov

Terminal Objectives

EMT MEDICATION Endorsement

Terminal Objectives for the EMT Medication Endorsement

The purpose of the Medication Endorsement for EMT is to provide the EMT 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.

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FORWARD

The Montana Board of Medical Examiners (BOME) developed the ECP endorsement process to provide the local EMS medical director the ability to expand the individual ECP 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 ECP's previous education, skill ability or other personal knowledge to determine whether an ECP 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 ECP.

The endorsement material that follows provides the knowledge and psychomotor objectives at the specific endorsement level. Some endorsements may also include sample lesson plans for use in presenting the material. The endorsements (specifically at the AEMT and 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 ECP) 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.

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The endorsement process for the EMR level is slightly different. The local Lead Instructor is allowed to document the successful completion of the educational requirements for the EMR endorsement. The Lead Instructor may not take into consideration previous education or training as the local medical director is allowed when completing the individual's verification form. The Lead Instructor can only verify the individual's successful completion of the training/educational requirements. This is only allowed at the EMR endorsement levels of monitoring.

The Lead Instructor must remember the endorsement process is a privilege granted to a Montana licensed ECP. Endorsement education can only be offered to Montana ECP licensees; therefore, the Lead Instructor may not combine initial EMR education. The endorsement education must be done independently of the initial program.

The endorsement process requires that the medical director complete a standardized "verification form" (certificate of completion) documenting that an individual ECP has the knowledge and skills identified at the specific endorsement level. The individual ECP 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 ECP 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 medications the EMT may carry and administer are approved medications as identified by Montana Prehospital Treatment Protocols.

COGNITIVE OBJECTIVES

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

- List and describe medications which the EMT 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.

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- List and describe liquid, solid, and gas drug forms of the approved medications.
- List and differentiate routes of approved medication administration to include IM, SQ, IN, IO, PO and inhalation.
- 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.

PSYCHOMOTOR OBJECTIVES

At the completion of this unit, the EMT 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 for all routes.
- Demonstrate preparation and administration of all approved medications.
- Demonstrate disposal of contaminated items and sharps.

LESSON PLAN: can be obtained from the AEMT or Paramedic 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)
Injection Training pad/arm/device
Auto Injector Trainer

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Inhaler Trainer
Nebulizer Equipment
Nitronox unit
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) or saline
Jumpkit (assessment materials, B/P cuff stethoscope, etc)

OVERVIEW:

While the major purpose of this endorsement is to prepare the EMT to administer approved medications, the expected outcome is that the EMT 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 BE ADMINSTERED

(in accordance with Montana Prehospital Treatment Protocols)

Epinephrine (auto injector or 1 ml vial)
Nitroglycerin (tablet or spray)
Albuterol, Isoetharine, Metaproteranol, etc. (inhaler & nebulizer)
Glucagon
Oral Glucose
Aspirin
Benadryl (PO)
Flu Vaccine
Nitrous Oxide
Solu Cortef, Solu-Medrol or Decadron (IM/IV/IO)
Narcan