

Mississippi Cardiac Transitional Block (Paramedic) 2012 – 2014



2012 Mississippi Paramedic Transitional Training Curriculum- Cardiac

Introduction

This material provides the statewide training framework for Paramedic Cardiac Transitional Training. Cardiac is to include a condensed comprehensive approach to the care of patients with acute and complex cardiovascular compromise. Development of this material is contingent with content from current national as well as state approved paramedic training curricula. **The scope of knowledge covered in the transitional refresher does not imply scope of practice in Mississippi. Each block/session will include information about cognitive and psychomotor objectives removed from the previous curriculum. Paramedics must adhere to state and local protocols.**

Organizational Guidelines

Cardiac transitional training requires a minimum of 8 clock hours of instruction provided by approved community colleges within the state. The transitional training consists of 6 separate training sections that are 8 clock hours each. Participants may take sessions independently of each other from any approved instructional site with proof of successful training completion issued by the training location individually.

Training Materials

The community college offering transitional training may choose to require participant textbooks. Any required textbooks should be stated in sufficient time prior to the beginning of transitional section to allow participants to obtain mandatory textbook(s).

Evaluation

Cardiac transitional training sessions will require cognitive as well as pertinent related psychomotor skill completion. Participants are required to obtain a minimum of 75% as well as successfully completing all critical evaluation criteria on cognitive and psychomotor evaluations. Failure to successfully complete cognitive and/or psychomotor skills evaluation(s) will result in unsuccessful transitional session completion. Following remediation in area(s) of deficiency, the participant may attempt to complete evaluation(s) for a second time on that date. Two additional attempts at remediated material evaluations are allowed by participants either on the same date as transitional training or return at a later date at the discretion of the transitional instructor. Failure to complete mandatory cognitive and/or psychomotor evaluation(s) by any course participant will result in failure to complete the Cardiac transition training section, and will require the participant to attempt the Cardiac transition training again at the time and/or location of choice.

Course Size Limitation

Current instructor/student participant ratio must adhere to the following standard:

Lecture/Cognitive Objective Instruction	1:35
Lab/Psychomotor Evaluations	1:10

Medical Transition Training Approval

The Mississippi State Department of Health, Bureau of Emergency Medical Services will approve prospective medical transitional training prior to the beginning of the session. To receive approval, the session sponsor must submit the following:

Course Request/Instructor Verification Form (30 days prior to training)

Copies of the Lead Instructor/Course Coordinator's Credentials

The Mississippi State Department of Health, Bureau of Emergency Medical Services will provide notification of approval for transitional training and an approval course number.

Training Documentation

The lead instructor is responsible for supplying to the Mississippi State Department of Health, Bureau of Emergency Medical Services the following document within two weeks of transitional session conclusion:

Final Course Roster

Lead instructors are also responsible for providing to course participants, and maintaining documentation for a minimum of five years following session conclusion, the following documents:

Handbook/Syllabi

Transitional Training Schedule(s)

Lesson Plans/Training Outlines

Cognitive and/or Psychomotor Evaluations

Remediation Documentation as necessary

Cardiac Transitional Training Learning Outcomes as Correlated to National EMS Educational Standards for Paramedic

1. Integrates comprehensive knowledge of pharmacology to formulate a treatment plan intended to mitigate cardiac emergencies and improve the overall health of the patient.
2. Integrates complex knowledge of anatomy, physiology, and pathophysiology into the assessment to develop and implement a treatment plan with the goal of assuring a patent airway, adequate mechanical ventilation, and respiration for patients of all ages.
3. Integrates scene and patient assessment findings with knowledge of epidemiology and pathophysiology to form a field impression. This includes developing a list of differential diagnoses through clinical reasoning to modify the assessment and formulate a treatment plan.
4. Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a patient with cardiovascular disease.

Cognitive Objectives

1. Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan to include:
 - a. Transport mode
 - b. Destination decision
2. Integrates assessment findings with principles of epidemiology and pathophysiology to formulate a field impression and implement a comprehensive treatment/disposition plan for a cardiac patient with:
 - a. Acute Coronary Syndrome
 - a. Indication, acquisition, and interpretation of 12 and 15 lead ekgs.
 - b. Pharmacological and electrical interventions
 - b. Cardiac arrest

- a. Pharmacological and electrical interventions.
- b. ROSC & Hypothermia interventions.
- c. Pneumatic/Electric external cardiac compression devices.

c. Chronic cardiac conditions

- a. Pharmacological and electrical interventions.

Reference List

1. 2011 Mississippi Paramedic Curriculum
2. 2009 National EMS Education Standards Gap Analysis Template
3. 2009 National Emergency Medical Services Educational Standards: Paramedic Instructional Guidelines
4. Dalton A., *Advanced Medical Life Support*, 4th Edition
5. Gould B., *Pathophysiology for Health Professions* 4th Edition
6. Martini, *Anatomy & Physiology for Emergency Care* 2nd Edition
7. McNeil B., *Emergency Care, and Transportation of the Sick and Injured Case Studies*
8. Bledsoe B., *Essentials of Paramedic Care* 2nd Edition Update