**EMERGIPRESS**

**MARCH 2020 - LESSON PLAN**

Name of CE Program

Address

Phone No.

*(enter CE program information)*

**Course Title/Topic:** Wireless Cardiac Monitoring Devices, Right-Sided STEMI, Traumatic Head Injury

**Instructor(s):** Online – available at the Los Angeles County EMS Agency Website

 (<http://dhs.lacounty.gov/wps/portal/dhs/ems/emergipress>)

**Date Presented:** On-going

**Category of Instruction:** Non-Instructor Based

**Number of EMS CE Hours Awarded:** 1

**Program Overview:** This course is a structured activity, which delivers didactic material relevant to EMS clinical practice through a clinical case, ECG presentation, and video module. This lesson reviews wireless cardiac monitoring devices, the management of patients with right ventricular STEMIs and traumatic head injured patients. Participants will review online clinical cases and a video module presentation to learn patient management skills for these conditions.

**Specific Educational Focus:** Assessment and treatment of emergency medical conditions to include managing cardiac arrest in a patient with a wireless cardiac monitor, identifying ECG changes in right ventricular STEMI, and understanding the management of traumatic head injury.

**Objectives:**

Case of the Month – Wireless Cardiac Monitoring Devices

* Describe the types of wireless cardiac monitoring devices that EMS may encounter when managing patients
* Describe the function of wireless cardiac monitoring devices
* Review the management of cardiac arrest in patients with wearable and implanted cardiac monitoring devices
* Describe the indications for removal of “wearable” cardiac monitoring devices in the field

ECG of the Month – Right-sided STEMI

* Describe the physiologic effects of a right-sided STEMI
* Identify ECG changes related to a right-sided STEMI
* Review lead placement and procedures for obtaining a right sided ECG
* Describe appropriate prehospital management for a patient with a right sided STEMI

Video Learning Module – Traumatic Head Injury

* Understand the “3 H Bombs” in traumatic head injury
* Describe clinical actions the management of hypoxia, hyperventilation and hypotension in head injury
* Understand the importance airway and blood pressure management in head injury
* Describe the survival benefit demonstrated in head injury patients that received care addressing hypoxia, hyperventilation and hypotension

**Course Outline:** See March 2020 EmergiPress CE Instruction Sheet

**Method of Student Performance Evaluation:** passing a written test with a minimum of 80%

**Materials Needed:** Computer or mobile device with internet access; copy of written test.

**Handouts:** Course Evaluation; written test

**References:** Los Angeles County Pre-Hospital Care Manual;

**Additional Attachments:**

❑ EmergiPress CE Instruction Sheet

❑ Student Test (Student version and Instructor version with answer key)

❑ Course Evaluation