The treatment/disposition plan for improving the health of the EMS personnel, patients, and the community is designed to incorporate assessment findings. Demonstrating effective use of pharmacology to formulate a treatment plan is crucial. The program focuses on the implementation of a comprehensive treatment plan with respect for diverse pathophysiology, critical thinking, and pharmacodynamics in terms of the effects of a given drug on the body while considering cultural and religious beliefs regarding treatment.

The program introduces the importance of homeostasis and health, the safety and technology devices. Given a variety of scenarios, paramedics are trained to manage airway, ventilation, and oxygenation, implementing a comprehensive treatment plan with respect for diverse pathophysiology, and basic and advanced airway management and ventilation techniques. The use of monitoring equipment and resources under the supervision of a lab instructor or clinical preceptor is emphasized.

Describe the role of the medic in the treatment and management of patients with cardiovascular, pulmonary, endocrine, allergy, dermatological, and acute care scenarios, and the uses in the field. Demonstrate the steps of assessing airway, ventilation, and oxygenation, performing pleural decompression, and airway management and ventilation for a 3 lead and 12 lead EKG rhythm strip analysis in most presentations related to specific dysrhythmias and cardiac disorders.

Discuss the roles of_paramedics in the treatment and management of adult, pediatric, and geriatric patients in the hospital and prehospital environments. Demonstrate positive patient interaction during the physical exam, history, and team interaction.

Explain the pathophysiology of shock and the uses in the field. Demonstrate the pulmonary and physiological exam, history, diagnostic tests, and use of monitoring equipment and resources. Evaluate various trauma scenes for external hemorrhage, providing Glidescope and bougie. Utilize the Maryland Trauma Tree to categorize trauma patients, perform all paramedic skills, and use of monitoring equipment and resources.

Discuss the role of the medic in the treatment and management of patients with neurologic, environmental, genitourinary, obstetrical and pediatric disorders, allergic reactions, anaphylaxis, and respiratory disorders, and the uses in the field. Demonstrate the pulmonary and physiological exam, history, diagnostic tests, and use of monitoring equipment and resources.