

جامعة البلقاء التطبيقية

وحدة التقييم والامتحانات العامة

الثالثة (المهارات الفنية المتخصصة) / معدلة	الورقة
المهن الطبية المساندة	البرنامج
الإسعاف الفوري	التخصص

Learning Outcomes		
Technical Skills	Learning Outcome	No.
1. Identify the four types of drug names.	Using Drugs in Emergency Cases	1.
2. Describe the paramedic's responsibilities that relate to drug administration.		
3. Distinguish between characteristics of routes of drug administration.		
4. Describe how drugs react with receptors to produce desired effects.		
5. Identify special considerations for administering pharmacological agents to pregnant patients, pediatric patients, and older patients		
6. Identify special considerations for administering pharmacological agents to pregnant patients, pediatric patients, and older patients.		
7. Describe the drugs that affect nervous system, cardiovascular system, blood, respiratory system, gastrointestinal system, eye and ear, endocrine system reproductive system, immunologic system and drugs that used in neoplastic and infectious disease and inflammation		
8. Outline drug actions and care considerations for a patient who is given drugs that affect the nervous, cardiovascular, respiratory, endocrine, and gastrointestinal systems.		
1. Distinguish between respiration, pulmonary ventilation, and external and internal respiration.	Managing Airway	2.
2. Explain the mechanics of ventilation and respiration.		
3. Explain the relationship between partial pressures of gases in the blood and lungs to atmospheric gas pressures.		
4. Describe pulmonary circulation. Explain the process of exchange and transport of gases in the body		
5. Discuss the assessment and management of airway obstruction.		

Learning Outcomes		
Technical Skills	Learning Outcome	No.
6. Describe the indications, contraindications, and techniques for delivering supplemental oxygen.		
7. Describe risk factors and preventive measures for pulmonary aspiration.		
8. Discuss the methods of patient ventilation based on the indications, contraindications, potential complications, and use of each method.		
9. Describe the use of manual airway maneuvers and mechanical airway adjuncts based on the indications, contraindications, potential complications, and techniques for each.		
10. Describe effective techniques for verifying proper placement of endotracheal and peritracheal airway devices.		
11. Explain variations in the assessment and management of airway and ventilation problems in pediatric patients.		
1. Describe the causes, complications, signs and symptoms, and pre hospital management of patients diagnosed with various respiratory emergencies .	Managing Medical Emergencies	3.
2. Describe the causes, signs and symptoms, and specific management techniques for each of the following neurologic disorders: coma, stroke and intracranial hemorrhage, seizure disorders, headaches, brain neoplasm and brain abscess, and degenerative neurological diseases.		
3. Describe the causes signs and symptoms, patient assessment, and patient management for diabetes and diabetic emergencies of hypoglycemia, diabetic ketoacidosis, hyperosmolar hyperglycemic nonketotic syndrome and Cushing syndrome and Addison disease		
4. Describe the antigen-antibody response, causes of immune system diseases and complication of organ transplantation, sings & symptoms and management of allergic reactions.		
5. Differentiate the four stages of infectious disease: the latent period, the incubation period, the communicability period, and the disease period.		
6. Describe the chain of elements necessary for an infectious disease to occur.		
7. Describe the mode of transmission, sings & symptoms, pre hospital considerations, and person protective measures for various infectious disease		
8. Outline the reporting process for exposure to infectious or communicable diseases		

Learning Outcomes				
Technical Skills	Learning Outcome	No.		
9. Describe the causes, signs and symptoms, and specific management techniques for disorders of the Abdomen Disorders,				
10. Describe the causes, signs and symptoms, and specific management techniques for disorders of the GI system,				
11. Describe the causes, signs and symptoms, and specific management techniques for disorders of the Genitourinary& Renal Disorders,				
12. Describe the causes, signs and symptoms, and specific management techniques for disorders of the Hematology,				
13. Describe the causes, signs and symptoms, and specific management techniques for disorders of the Musculoskeletal system (Non Traumatic Musculoskeletal Disorders).				
14. Describe the causes, signs and symptoms, and specific management techniques for disorders of the Toxicology,				
15. Describe the causes, signs and symptoms, and specific management techniques for disorders of Behavioral & Psychiatric				
16. Describe the causes, signs and symptoms, and specific management techniques for disorders of the Shock				
17. explore issues related to the compassionate, patient-centered care of special populations including geriatric, abuse and neglect patients, and patients with special challenges, home care.				
1. Predict injury patterns based on knowledge of the laws of physics related to forces involved in trauma.			Managing Trauma Emergencies	4.
2. Describe the role of restraints in injury prevention and injury patterns.				
3. Identify selected injury patterns associated with motorcycle collisions.				
4. Describe injury patterns associated with pedestrian collisions				
5. Identify injury patterns associated with sports injuries, blast injuries, and vertical falls				
6. Describe factors that influence tissue damage related to penetrating injury, the causes, signs and symptoms, the mechanism of injury and management techniques of specific soft tissue injuries.				
7. Describe, in the correct sequence, patient management techniques for control of hemorrhage				
8. Identify the characteristics of general categories of dressings and bandages.				

Learning Outcomes				
Technical Skills	Learning Outcome	No.		
9. Describe prehospital management of specific soft tissue injuries not requiring closure.				
10. Discuss factors that increase the potential for wound infection.				
11. Discuss causes, signs, symptoms, and management of the patient with thermal, an inhalation, chemical and electrical injury.				
12. Describe the distinguishing features of radiation injury and considerations in the prehospital management of these patients.				
13. Describe the mechanisms of injury, assessment, and management of maxillofacial injuries, anterior neck trauma, ear, eye, scalp, cranial vault, or cranial nerves and dental injuries.				
14. Outline the prehospital management of the patient with cerebral injury.				
15. Calculate a Glasgow Coma Scale, trauma score, Revised Trauma Score, and pediatric trauma score when given appropriate patient information.				
16. Outline the general assessment and prehospital management of a patient with suspected spinal injury.				
17. Describe heart and great vessels, pulmonary trauma, nontraumatic spinal conditions, the mechanism of injury, signs and symptoms, and management of skeletal injuries to the chest.				
18. Describe mechanisms of injury, signs and symptoms, and complications associated with abdominal solid organ, hollow organ, retroperitoneal organ, and pelvic organ injuries.				
19. Describe the prehospital assessment priorities for the patient suspected of having an abdominal injury and features of each class of bursitis, tendonitis, and arthritis and musculoskeletal injury.				
20. Outline general principles of splinting.				
1. Identify risk factors and prevention strategies associated with cardiovascular disease.			Managing Cardiovascular Emergencies	5.
2. Discuss electrophysiology as it relates to the normal electrical and mechanical events in the cardiac cycle.				
3. Describe basic monitoring techniques that permit electrocardiogram (ECG) interpretation.				
4. Explain the relationship of the electrocardiogram tracing to the electrical activity of the heart.				
5. Describe in sequence the steps in electrocardiogram interpretation.				

Learning Outcomes		
Technical Skills	Learning Outcome	No.
6. identify the rhythm, site of origin, possible causes, clinical significance, and prehospital management that is indicated.		
7. Describe prehospital assessment and management of patients with selected cardiovascular disorders.		
8. List indications, contraindications, and prehospital considerations when using selected cardiac interventions, including basic life support, monitor		
1. Identify risk factors associated with the need for neonatal resuscitation.	Managing Neonatal Care & Dynamic of Pediatric Emergencies	6.
2. Outline the prehospital assessment and management of the neonate.		
3. Describe resuscitation of the distressed neonate.		
4. Discuss post resuscitative management and transport.		
5. Describe signs and symptoms and prehospital management of specific neonatal resuscitation situations.		
6. Identify age-related illnesses and injuries in pediatric patients.		
7. Describe the causes, signs and symptoms, and management of selected respiratory, shock, dysrhythmias, hypoglycemia, hyperglycemia, infectious & seizures pediatric emergencies.		
8. Describe the risk factors, key signs and symptoms, and management of injuries or illness resulting from child abuse and neglect.		
1. Outline the prehospital assessment and management of the female with abdominal pain or bleeding	Managing Obstetrics & Gynecology Emergencies	7.
2. Describe specific techniques for assessment of the pregnant patient.		
3. 11. Describe the general prehospital care of the pregnant patient.		
4. 12. Discuss the special implications of trauma in pregnancy.		
5. Outline principles of care for a pregnant patient in cardiac arrest or peri-arrest.		
6. 14. Recognize and begin treatment for complications of pregnancy such as hyperemesis gravidarum, Rh sensitization, diabetes mellitus, and infection.		
7. 15. Describe the assessment and management of patients with preeclampsia and eclampsia.		
8. 16. Explain the pathophysiology, signs and symptoms, and management of vaginal bleeding in pregnancy.		
9. Describe the role of the paramedic during normal labor and delivery.		

Learning Outcomes		
Technical Skills	Learning Outcome	No.
10. 19. Compute an Apgar score.		
11. 20. Describe assessment and management of postpartum hemorrhage.		
12. 21. Discuss the identification, implications, and prehospital management of complicated deliveries		