

UNIT TERMINAL OBJECTIVE

- 6-3 At the completion of this unit, the EMT-Intermediate student will be able utilize assessment findings to formulate a field impression and implement the treatment plan for a pediatric patient.

COGNITIVE OBJECTIVES

At the completion of this unit, the EMT-Intermediate student will be able to:

- 6-3.1 Identify methods/ mechanisms that prevent injuries to infants and children. (C-1)
- 6-3.2 Identify the growth and developmental characteristics of infants and children. (C-2)
- 6-3.3 Identify anatomy and physiology characteristics of infants and children. (C-2)
- 6-3.4 Describe techniques for successful assessment of infants and children. (C-1)
Identify the common responses of families to acute illness and injury of an infant or child. (C-1)
- 6-3.5 Describe techniques for successful interaction with families of acutely ill or injured infants and children. (C-1)
- 6-3.6 Outline differences in adult and childhood anatomy and physiology. (C-3)
- 6-3.7 Discuss pediatric patient assessment. (C-1)
- 6-3.8 Identify "normal" age group related vital signs. (C-1)
- 6-3.9 Discuss the appropriate equipment utilized to obtain pediatric vital signs. (C-1)
- 6-3.10 Determine appropriate airway adjuncts for infants and children. (C-1)
- 6-3.11 Discuss complications of improper utilization of airway adjuncts with infants and children. (C-1)
- 6-3.12 Discuss appropriate ventilation devices for infants and children. (C-1)
- 6-3.13 Discuss complications of improper utilization of ventilation devices with infants and children. (C-1)
- 6-3.14 Discuss appropriate endotracheal intubation equipment for infants and children. (C-1)
- 6-3.15 Identify complications of improper endotracheal intubation procedure in infants and children. (C-1)
- 6-3.16 Define respiratory distress. (C-1)
- 6-3.17 Define respiratory failure. (C-1)
- 6-3.18 Define respiratory arrest. (C-1)
- 6-3.19 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for respiratory distress/ failure in infants and children. (C-1)
- 6-3.20 Discuss the pathophysiology of respiratory distress/ failure in infants and children. (C-1)
- 6-3.21 Discuss the assessment findings associated with respiratory distress/ failure in infants and children. (C-1)
- 6-3.22 Discuss the management/ treatment plan for respiratory distress/ failure in infants and children. (C-1)
- 6-3.23 List the indications for gastric decompression for infants and children. (C-1)
- 6-3.24 Differentiate between upper and lower airway obstruction. (C-2)

- 6-3.25 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for croup in infants and children. (C-1)
- 6-3.26 Discuss the pathophysiology of croup in infants and children. (C-1)
- 6-3.27 Discuss the assessment findings associated with croup in infants and children. (C-1)
- 6-3.28 Discuss the management/ treatment plan for croup in infants and children. (C-1)
- 6-3.29 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for foreign body aspiration in infants and children. (C-1)
- 6-3.30 Discuss the pathophysiology of foreign body aspiration in infants and children. (C-1)
- 6-3.31 Discuss the assessment findings associated with foreign body aspiration in infants and children. (C-1)
- 6-3.32 Discuss the management/ treatment plan for foreign body aspiration in infants and children. (C-1)
- 6-3.33 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for epiglottitis in infants and children. (C-1)
- 6-3.34 Discuss the pathophysiology of epiglottitis in infants and children. (C-1)
- 6-3.35 Discuss the assessment findings associated with epiglottitis in infants and children. (C-1)
- 6-3.36 Discuss the management/ treatment plan for epiglottitis in infants and children. (C-1)
- 6-3.37 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for asthma/bronchiolitis in infants and children. (C-1)
- 6-3.38 Discuss the pathophysiology of asthma/bronchiolitis in infants and children. (C-1)
- 6-3.39 Discuss the assessment findings associated with asthma/bronchiolitis in infants and children. (C-1)
- 6-3.40 Discuss the management/ treatment plan for asthma/bronchiolitis in infants and children. (C-1)
- 6-3.41 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for pneumonia in infants and children. (C-1)
- 6-3.42 Discuss the pathophysiology of pneumonia in infants and children. (C-1)
- 6-3.43 Discuss the assessment findings associated with pneumonia in infants and children. (C-1)
- 6-3.44 Discuss the management/ treatment plan for pneumonia in infants and children. (C-1)
- 6-3.45 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for foreign body lower airway obstruction in infants and children. (C-1)
- 6-3.46 Discuss the pathophysiology of foreign body lower airway obstruction in infants and children. (C-1)
- 6-3.47 Discuss the assessment findings associated with foreign body lower airway obstruction in infants and children. (C-1)

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- 6-3.48 Discuss the management/ treatment plan for foreign body lower airway obstruction in infants and children. (C-1)
- 6-3.49 Discuss the common causes of shock in infants and children. (C-1)
- 6-3.50 Evaluate the severity of shock in infants and children. (C-3)
- 6-3.51 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for shock in infants and children. (C-1)
- 6-3.52 Discuss the pathophysiology of shock in infants and children. (C-1)
- 6-3.53 Discuss the assessment findings associated with shock in infants and children. (C-1)
- 6-3.54 Discuss the management/ treatment plan for shock in infants and children. (C-1)
- 6-3.55 Identify the major classifications of pediatric cardiac rhythms. (C-1)
- 6-3.56 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for cardiac dysrhythmias in infants and children. (C-1)
- 6-3.57 Discuss the pathophysiology of cardiac dysrhythmias in infants and children. (C-1)
- 6-3.58 Discuss the assessment findings associated with cardiac dysrhythmias in infants and children. (C-1)
- 6-3.59 Discuss the management/ treatment plan for cardiac dysrhythmias in infants and children. (C-1)
- 6-3.60 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for tachydysrhythmias in infants and children. (C-1)
- 6-3.61 Discuss the pathophysiology of tachydysrhythmias in infants and children. (C-1)
- 6-3.62 Discuss the assessment findings associated with tachydysrhythmias in infants and children. (C-1)
- 6-3.63 Discuss the management/ treatment plan for tachydysrhythmias in infants and children. (C-1)
- 6-3.64 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for bradydysrhythmias in infants and children. (C-1)
- 6-3.65 Discuss the pathophysiology of bradydysrhythmias in infants and children. (C-1)
- 6-3.66 Discuss the assessment findings associated with bradydysrhythmias in infants and children. (C-1)
- 6-3.67 Discuss the management/ treatment plan for bradydysrhythmias in infants and children. (C-1)
- 6-3.68 Discuss the primary etiologies of cardiopulmonary arrest in infants and children. (C-1)
- 6-3.69 Discuss basic cardiac life support (CPR) guidelines for infants and children. (C-1)
- 6-3.70 Identify appropriate parameters for performing infant and child CPR. (C-1)
- 6-3.71 Integrate advanced life support skills with basic cardiac life support for infants and children. (C-3)
- 6-3.72 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for seizures in infants and children. (C-1)
- 6-3.73 Discuss the pathophysiology of seizures in infants and children. (C-1)
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- 6-3.74 Discuss the assessment findings associated with seizures in infants and children. (C-1)
- 6-3.75 Discuss the management/ treatment plan for seizures in infants and children. (C-1)
- 6-3.76 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for hypoglycemia in infants and children. (C-1)
- 6-3.77 Discuss the pathophysiology of hypoglycemia in infants and children. (C-1)
- 6-3.78 Discuss the assessment findings associated with hypoglycemia in infants and children. (C-1)
- 6-3.79 Discuss the management/ treatment plan for hypoglycemia in infants and children. (C-1)
- 6-3.80 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for hyperglycemia in infants and children. (C-1)
- 6-3.81 Discuss the pathophysiology of hyperglycemia in infants and children. (C-1)
- 6-3.82 Discuss the assessment findings associated with hyperglycemia in infants and children. (C-1)
- 6-3.83 Discuss the management/ treatment plan for hyperglycemia in infants and children. (C-1)
- 6-3.84 Discuss age appropriate vascular access sites for infants and children. (C-1)
- 6-3.85 Discuss the appropriate equipment for vascular access in infants and children. (C-1)
- 6-3.86 Identify complications of vascular access for infants and children. (C-1)
- 6-3.87 Identify common lethal mechanisms of injury in infants and children. (C-1)
- 6-3.88 Discuss anatomical features of children that predispose or protect them from certain injuries. (C-1)
- 6-3.89 Describe aspects of infant and children airway management that are affected by potential cervical spine injury. (C-1)
- 6-3.90 Identify infant and child trauma patients who require spinal immobilization. (C-1)
- 6-3.91 Discuss fluid management and shock treatment for infant and child trauma patient. (C-1)
- 6-3.92 Discuss the pathophysiology of trauma in infants and children. (C-1)
- 6-3.93 Discuss the assessment findings associated with trauma in infants and children. (C-1)
- 6-3.94 Discuss the management/ treatment plan for trauma in infants and children. (C-1)
- 6-3.95 Discuss the assessment findings and management considerations for pediatric trauma patients with the following specific injuries: head/neck injuries, chest injuries, abdominal injuries, extremities injuries, burns.
- 6-3.96 Define child abuse. (C-1)
- 6-3.97 Define child neglect. (C-1)
- 6-3.98 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for abuse and neglect in infants and children. (C-1)
- 6-3.99 Discuss the assessment findings associated with abuse and neglect in infants and children. (C-1)
- 6-3.100 Discuss the management/ treatment plan for abuse and neglect in infants and children. (C-1)
- 6-3.101 Define sudden infant death syndrome (SIDS). (C-1)

- 6-3.102 Discuss the parent/ caregiver responses to the death of an infant or child. (C-1)
- 6-3.103 Describe the epidemiology, including the incidence, morbidity/ mortality, risk factors and prevention strategies for SIDS infants. (C-1)
- 6-3.104 Discuss the pathophysiology of SIDS in infants. (C-1)
- 6-3.105 Discuss the assessment findings associated with SIDS infants. (C-1)
- 6-3.106 Discuss the management/ treatment plan for SIDS in infants. (C-1)

AFFECTIVE OBJECTIVES

At the completion of this unit, the paramedic student will be able to:

- 6-2.107 Demonstrate and advocate appropriate interactions with the infant/ child that conveys an understanding of their developmental stage. (A-3)
- 6-2.108 Recognize the emotional dependence of the infant/ child to their parent/ guardian. (A-1)
- 6-2.109 Recognize the emotional impact of the infant/ child injuries and illnesses on the parent/ guardian. (A-1)
- 6-2.110 Recognize and appreciate the physical and emotional difficulties associated with separation of the parent/ guardian of a special needs child (A-3)
- 6-2.111 Demonstrate the ability to provide reassurance, empathy and compassion for the parent/ guardian. (A-1)

PSYCHOMOTOR OBJECTIVES

At the completion of this unit, the EMT-Intermediate student will be able to:

- 6-3.112 Demonstrate the appropriate approach for treating infants and children. (P-2)
- 6-3.113 Demonstrate appropriate intervention techniques with families of acutely ill or injured infants and children. (P-2)
- 6-3.114 Demonstrate an appropriate assessment for different developmental age groups. (P-2)
- 6-3.115 Demonstrate appropriate technique for measuring pediatric vital signs. (P-2)
- 6-3.116 Demonstrate the use of a length-based resuscitation device for determining equipment sizes, drug doses and other pertinent information for a pediatric patient. (P-2)
- 6-3.117 Demonstrate the techniques/ procedures for treating infants and children with respiratory distress. (P-2)
- 6-3.118 Demonstrate proper technique for administering blow-by oxygen to infants and children. (P-2)
- 6-3.119 Demonstrate the proper utilization of a pediatric non-rebreather oxygen mask. (P-2)
- 6-3.120 Demonstrate appropriate use of airway adjuncts with infants and children. (P-2)
- 6-3.121 Demonstrate appropriate use of ventilation devices for infants and children. (P-2)
- 6-3.122 Demonstrate endotracheal intubation procedures in infants and children. (P-2)
- 6-3.123 Demonstrate appropriate treatment/ management of intubation complications for infants and children. (P-2)
- 6-3.124 Demonstrate proper placement of a gastric tube in infants and children. (P-2)

- 6-3.125 Demonstrate appropriate technique for insertion of peripheral intravenous catheters for infants and children. (P-2)
- 6-3.126 Demonstrate appropriate technique for administration of intramuscular, subcutaneous, rectal, endotracheal and oral medication for infants and children. (P-2)
- 6-3.127 Demonstrate appropriate technique for insertion of an intraosseous line for infants and children. (P-2)
- 6-3.128 Demonstrate age appropriate interventions for infants and children with an obstructed airway. (P-2)
- 6-3.129 Demonstrate appropriate airway control maneuvers for infant and child trauma patients. (P-2)
- 6-3.130 Demonstrate appropriate treatment of infants and children requiring advanced airway and breathing control. (P-2)
- 6-3.131 Demonstrate appropriate immobilization techniques for infant and child trauma patients. (P-2)
- 6-3.132 Demonstrate treatment of infants and children with head injuries. (P-2)
- 6-3.133 Demonstrate appropriate treatment of infants and children with chest injuries. (P-2)
- 6-3.134 Demonstrate appropriate treatment of infants and children with abdominal injuries. (P-2)
- 6-3.135 Demonstrate appropriate treatment of infants and children with extremity injuries. (P-2)
- 6-3.136 Demonstrate appropriate treatment of infants and children with burns. (P-2)
- 6-3.137 Demonstrate appropriate parent/ caregiver interviewing techniques for infant and child death situations. (P-2)
- 6-3.138 Demonstrate proper infant CPR. (P-2)
- 6-3.139 Demonstrate proper child CPR. (P-2)
- 6-3.140 Demonstrate proper techniques for performing infant and child defibrillation. (P-2)