

Name of Module:	Automated Blood Glucose Monitoring							
Module Provider Level:		EMR	X	EMT		AEMT	Paramedic	
Instructional Setting:		Single Student		X	Small Group		X	Whole Class
Learning Domain(s):	X	Didactic		X	Psychomotor			Affective
General Description of Lesson:	EMR	N/A						
	EMT	1. EMT 1.1. Purpose 1.1.1. Assess blood glucose level 1.1.2. Assess impact of interventions 1.2. Indications 1.2.1. Decreased level of consciousness in the suspected diabetic 1.2.2. Decreased level of consciousness of unknown origin 1.3. Procedure 1.3.1. Cleaning the site 1.3.2. Refer to manufacturer’s instructions for device being used 1.3.3. Disposal of sharps						
	AEMT	N/A						
	Paramedic	N/A						
Objective(s) of Lesson:	EMR	N/A						
	EMT	1. Diabetes mellitus 1.1. A chronic system syndrome characterized by hyperglycemia caused by a decrease in the secretion of or activity of insulin 1.2. Blood glucose levels fall below what is required for normal body functioning 1.3. Combined effects of a decreased energy supply to the central nervous system and a hyperadrenergic state results from a compensatory increase in catecholamine secretion 1.4. Assessment 1.4.1. Known history of 1.4.1.1. Diabetes						

		<ul style="list-style-type: none"> 1.4.1.2. Prolonged fasting 1.4.1.3. Alcoholism 1.4.2. Signs and symptoms <ul style="list-style-type: none"> 1.4.2.1. Weakness 1.4.2.2. Irritability 1.4.2.3. Hunger 1.4.2.4. Confusion 1.4.2.5. Anxiety 1.4.2.6. Bizarre behavior 1.4.2.7. Tachycardia 1.4.2.8. Normal respiratory pattern 1.4.2.9. Cool, pale skin 1.4.2.10. Diaphoresis 1.4.2.11. Stupor 1.4.2.12. Coma 1.4.2.13. Palpitations 1.4.2.14. Tremors 1.4.3. Management <ul style="list-style-type: none"> 1.4.3.1. Airway and ventilation 1.4.3.2. Circulation 1.4.3.3. Pharmacological interventions 1.4.3.4. Non-pharmacological interventions 1.4.3.5. Transport consideration <ul style="list-style-type: none"> 1.4.3.5.1. Appropriate mode 1.4.3.5.2. Appropriate facility 1.4.3.5.3. Psychological support/ communication strategies 	
	AEMT	N/A	
	Paramedic	N/A	
Assessment type(s):	X	Quiz	Observation
	X	Lab Skill Sheet	Other:
Describe the assessment plan:	<p>EMT will be able to answer written questions about indication, procedure, pitfalls.</p> <p>EMT will demonstrate the ability to follow universal precautions, appropriately perform blood glucose determination with proper record keeping.</p>		
Describe electronic resource(s) used in this plan:			
Materials and			

Resources used by teachers and students:	Gloves, tissues or gauze pads, alcohol wipes, fingerstick lancets, chemical reagent strips, electronic blood glucose meter			
Teacher Procedure:	Lecture with slides Teacher will demonstrate procedure Each student will then perform the procedure on other class member volunteers or self. Students will be prompted to verbalize each step and review possible pitfalls of the procedure			
Student Tasks:	Practice proper technique until student has several successful attempts.			
Time Required:	# of class periods: 2		# of minutes per class period:	60 min (depending on number of students)
Notes, tips, suggestions, and/or extension activities:	If possible, have several different meter types so students can practice on more than one meter.			