

Name of Module:	Atropine & 2-Pam Chloride (Chempack patient use – emergency stockpile release only)						
Module Provider Level:		EMR	X	EMT	X	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	Use fundamental knowledge of the medications that the EMT may self-administer or administer to a peer or to a patient in an emergency. <ul style="list-style-type: none"> • Medication safety • Storage and Security • Kinds of medications used during an emergency • Auto-injectors • Atropine sulfate & 2-Pralidoxime chloride auto-injector, emergency stockpile release • Naming • Mechanism of action 					
	AEMT	EMT Material PLUS: complex depth, foundational breadth <ul style="list-style-type: none"> • Pharmacology • Effects of nerve agents 					
	Paramedic	N/A					
Objective(s) of Lesson:	EMR	N/A					
	EMT	1.1 Demonstrate a basic understanding of the Pharmacology of the drug 1.2 Correctly select Drug indications for use 1.3 Correctly select Drug contraindications for use 1.4 Correctly select specific route of drug administration 1.5 Determine correct dosage based on patient age and severity of symptoms 1.6 Correctly order procedure steps before administering drug 1.7 Follow manufacturer’s instructions for administration 1.8 Correctly mark patient with dosage and type of drug given 1.9 Understand proper disposal techniques of used injectors 1.10 Correctly determine when a nerve agent or organophosphates exposure should be suspected.					

	AEMT	Same as EMT Plus 2.1 Demonstrate an advanced understanding of the pharmacology of the drug 2.2 Demonstrate a basic understanding of the effects of nerve agents or organophosphates.		
	Paramedic	N/A		
Assessment type(s):	X	Quiz		Observation
	X	Lab Skill Sheet		Other:
Describe the assessment plan:	Students need to pass the written exam for their provider level and pass the skills exam for the device that is being used.			
Describe electronic resource(s) used in this plan:				
Materials and Resources used by teachers and students:	Slide presentation Training (empty) auto-injectors Skill sheet Written exam			
Teacher Procedure:	Show slide presentation with discussion Distribute training devices and have students practice on each other with the skill sheet as a guide (have 'patients' vary their age to make sure students understand the correct dosage.) Administer written and skills test Remediate any students who did not pass and retest			
Student Tasks:	See teacher procedure			
Time Required:	# of class periods:	1	# of minutes per class period:	90-120 minutes
Notes, tips, suggestions, and/or extension activities:	<ol style="list-style-type: none"> 1. www.atsdr.cdc.gov Has lots of information on nerve agents and other toxicological information. It even has a 139 page continuing education module with objectives and a post-test. I highly recommend this site. 2. www.meridianmeds.com is the manufacturer of the DuoDote auto-injectors. 1-443-259-7800. They can supply you with the trainers as well as the actual auto-injectors. 3. www.DuoDote.com Has ordering information on the DuoDote auto-injectors. They are the manufacturers of them. It has powerpoint and lots of information concerning nerve agents. Great resource. 4. Jane's CHEM-BIO HANDBOOK: and www.janes.com has a lot of information on nerve agents. Nothing can be reproduced or copied but it was a very useful handbook. 			

	<p>USAMRIID's Medical Management of Biological Casualties Handbook. This handbook can be downloaded in PDF format at www.usamriid.army.mil/education/bluebook.html. This has a lot of background information mostly on biological agents but is useful nonetheless.</p>
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