

PICC RESOURCE ASSOCIATES, LLC
Central Line Care & Maintenance-1 Online Class Outline

OBJECTIVES	CONTENT (Topics)	TIME FRAME	PRESENTER	TEACHING METHODS
<p>1. Describe two indications for a central line catheter placement.</p>	<p>Indications for use: pH & Osmolarity</p> <ul style="list-style-type: none"> - INS standard re: pH and peripheral infusions - Normal venous pH & osmolarity - Examples of extremes of pH and osmolarity - Effects of on vasculature - Examples of common infusate pH and osmolarity - Sources for listings of pH and osmolarity of infusates <p>Infusion standards and guidelines</p> <ul style="list-style-type: none"> - INS Standards - AVA Tip Position Statement - CDC Guidelines - Rationale for standards and guidelines <p>A&P of central veins and central blood flow vs. peripheral veins</p> <ul style="list-style-type: none"> - Sizes of veins commonly used 	<p>30 min.</p>	<p>Narrator: Alice Cennamo, RN, CRNI</p>	<p>Provided Online self-study on-demand, Webinar, Intranet, or DVD: Lecture Narration; Slide Presentation; Links to National Infusion Organization Guidelines and Programs (INS, CDC, & AVA); Handouts</p>
<p>2. Describe 2 features common to all Central Line catheters</p>	<p>Similarities of all types of central lines</p> <p>Tip position</p> <ul style="list-style-type: none"> - Radiologic confirmation <p>Care and management</p> <ul style="list-style-type: none"> - Dressing & cap change techniques - Securement of hub/extensions - Protection of site integrity - Bathing 	<p>30 min.</p>	<p>Narrator: Alice Cennamo, RN, CRNI</p>	<p>Provided Online self-study on-demand, Webinar, Intranet, or DVD: Lecture Narration; Slide Presentation, Handouts</p>

	<ul style="list-style-type: none"> - Flushing techniques - Blood sampling techniques - PSI limits with common CLs - Exceptions <ul style="list-style-type: none"> - New “power” CLs 			
3. Describe 2 ways a PortAcath or PasPort differs from other central line catheters.	<p>Types of central lines and differences in insertion and care:</p> <p>PICC Lines</p> <p>PortAcaths and PasPorts</p> <ul style="list-style-type: none"> - Huber needle use <p>Tunneled catheters</p> <ul style="list-style-type: none"> - Hickman and Broviac <p>Non-tunneled catheters</p> <ul style="list-style-type: none"> - Limits of use 	25 min.	Narrator: Alice Cennamo, RN, CRNI	Provided Online self-study on-demand, Webinar, Intranet, or DVD: Lecture Narration; Slide Presentation, Interactive Learning Game; Handouts
4. Describe the steps involved in central line catheter care and maintenance procedures.	<p>Central line catheter care & maintenance procedures</p> <ul style="list-style-type: none"> - Assessment of <ul style="list-style-type: none"> - Isertion site - Dressing - Catheter patency - Procedures & care techniques <ul style="list-style-type: none"> - Sterile technique overview <ul style="list-style-type: none"> - Dressing Changes & site care - Aseptic technique overview <ul style="list-style-type: none"> - Cap and add on device changes <ul style="list-style-type: none"> - Frequency - Securement of hub & extensions - Protection of site- bathing - Flushing - Blood sampling 	120 min.	Narrator: Alice Cennamo, RN, CRNI	Provided Online self-study on-demand, Webinar, Intranet, or DVD: Lecture Narration; Slide Presentation, Handouts; Demonstration Video; end of section Self Assessment Test

<p>5. Describe 3 potential complications associated with central line catheters.</p>	<p>Assessment and prevention of complications:</p> <p>Infection</p> <ul style="list-style-type: none"> - Catheter-related blood stream infection - sepsis - Local infection <ul style="list-style-type: none"> - Insertion site - Tunnel - Port pocket <p>Embolus</p> <ul style="list-style-type: none"> - Air - Catheter - blood-clot <p>Thrombosis</p> <ul style="list-style-type: none"> - Extremity - Subclavian Vein - Vena Cava Syndrome <p>Pneumothorax</p> <p>External catheter fracture</p> <p>Catheter occlusion</p> <ul style="list-style-type: none"> - Clotted - Infusate related 	<p>60 min.</p>	<p>Narrator: Alice Cennamo, RN, CRNI</p>	<p>Provided Online self-study on-demand, Webinar, Intranet, or DVD: Lecture Narration; Slide Presentation, Handouts; Interactive Game: Word Puzzle-Name the Complication</p>
<p>6. Agree that after completion of this program and prior to performing central line care and maintenance independently on patients to: perform central line care and maintenance procedures under clinical supervision and/or according to your organization's</p>	<p>Objective presented at beginning and end of program</p>	<p>5 minutes</p>	<p>Narrator: Alice Cennamo, RN, CRNI</p>	<p>Provide Online self-study on-demand, Webinar, Intranet, or DVD: Lecture Narration</p>

policies and procedures requirements to become competent and independent in central line care and maintenance.				
7. Pass Program post test with a score of 80% or better	Exam	30 minutes	n/a	Provided Online self-study on-demand, Webinar, Intranet, or DVD: Results calculated by LMS program