

PICC RESOURCE ASSOCIATES
Central Line Care & Maintenance Class Outline

OBJECTIVES	CONTENT (Topics)	TIME FRAME	PRESENTER	TEACHING METHODS
<i>List the learners' objectives in behavioral terms.</i>	<i>Provide an outline of the content for each objective. It must be more than a re-statement of the objective.</i>	<i>State the time frame for each objective.</i>	<i>List the faculty for each objective.</i>	<i>Describe the teaching methods, strategies, materials, and resources for each objective.</i>
Describe two indications for a central line catheter placement.	Indications for use: pH & Osmolarity <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 Infusion standards and guidelines <ul style="list-style-type: none"> - INS Standards - AVA Tip Position Statement - CDC Guidelines - Rationale for standards and guidelines A&P of central veins and central blood flow vs. peripheral veins <ul style="list-style-type: none"> - Sizes of veins commonly used 	30 min.	Alice Cennamo, RN, CRNI	Lecture LCD Handouts
Describe 2 features common to all Central Line catheters	Similarities of all types of central lines Tip position <ul style="list-style-type: none"> - Radiologic confirmation Care and management <ul style="list-style-type: none"> - Dressing & cap change techniques 	30 min.	Alice Cennamo, RN, CRNI	Lecture LCD Handouts Demonstration (using Venous Access Device manikin, site care and flush care supplies)

	<ul style="list-style-type: none"> - Securement of hub/extensions - Protection of site integrity <ul style="list-style-type: none"> - Bathing - Flushing techniques - Blood sampling techniques - PSI limits with common CLs - Exceptions <ul style="list-style-type: none"> - New “power” CLs 			
Describe 2 ways a PortAcath or PasPort differs from other central line catheters.	Types of central lines and differences in insertion and care: PICC Lines PortAcaths and PasPorts <ul style="list-style-type: none"> - Huber needle use Tunneled catheters <ul style="list-style-type: none"> - Hickman and Broviac Non-tunneled catheters <ul style="list-style-type: none"> - Limits of use 	60 min.	Alice Cennamo, RN, CRNI	Lecture LCD Handouts Demonstration (using Venous Access Device manikin, site care and flush care supplies)
Break	N/A	15 min.	Alice Cennamo, RN, CRNI	N/A
Describe 3 potential complications associated with central line catheters.	Assessment and prevention of complications: Infection <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 Embolus <ul style="list-style-type: none"> - Air 	60 min.	Alice Cennamo, RN, CRNI	Lecture LCD Handouts Demonstration (using Venous Access Device manikin, site care and flush care supplies)

	<ul style="list-style-type: none"> - 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 			
Break	N/A	15 min.	Alice Cennamo, RN, CRNI	N/A
Return demonstrates and/or verbalizes steps of central line catheter site care utilizing sterile technique.	<p>Central line catheter care practicum</p> <ul style="list-style-type: none"> - Assessment of <ul style="list-style-type: none"> - Insertion site - Dressing - Catheter patency - Care techniques <ul style="list-style-type: none"> - Dressing and cap changes <ul style="list-style-type: none"> - Frequency - Securement of hub & extensions - Protection of site- bathing - Flushing - Blood sampling 	120 min.	Alice Cennamo, RN, CRNI	Demonstrate and Return Demonstration (using Venous Access Device manikin) Central Line Care Practicum Checklist Handout