

	EMR	PCP	ACP	CCP
GENERAL COMPETENCY 5.1 Maintain patency of upper airway and trachea.				
SPECIFIC COMPETENCY	SUB COMPETENCIES			
5.1.a Use manual maneuvers and positioning to maintain airway patency.	S	C	C	C
			Discuss the methods of the classifying and grading patient's airway.	Evaluate the methods of the classifying and grading patient's airway.
	Define methods of relieving the symptoms of airway obstruction.	Describe methods of relieving the symptoms of airway obstruction.	Discuss methods of relieving the symptoms of airway obstruction.	Explain the methods of relieving the symptoms of airway obstruction.
	Describe the types of airway opening maneuvers for various patients.	Describe the types of airway opening maneuvers for various patients.	Discuss the types of airway opening maneuvers for various patients.	Evaluate the types of airway opening maneuvers for various patients.
	Describe the indications, contraindications and precautions of performing airway maneuvers.	Discuss the indications, contraindications and precautions of performing airway maneuvers.	Analyze the indications, contraindications and precautions of performing airway maneuvers.	Analyze the indications, contraindications and precautions of performing airway maneuvers.
	Apply problem-solving techniques required with various types of patients.	Apply problem-solving techniques required with various types of patients.	Apply problem-solving techniques required with various types of patients.	Apply problem-solving techniques required with various types of patients.
	Demonstrate maneuvers and positioning for head, neck & jaw positioning which improve airway patency.	Adapt maneuvers and positioning for head, neck & jaw positioning which improve airway patency.	Adapt maneuvers and positioning for head, neck & jaw positioning which improve airway patency.	Adapt maneuvers and positioning for head, neck & jaw positioning which improve airway patency.
	Demonstrate manual airway maneuvers under a variety of patient and environmental presentations.	Perform manual airway maneuvers under a variety of patient and environmental presentations.	Perform manual airway maneuvers under a variety of patient and environmental presentations.	Perform manual airway maneuvers under a variety of patient and environmental presentations.
	Adjust to changes in patient's airway patency.	Adjust to changes in patient's airway patency.	Adapt to changes in patient's airway patency.	Adapt to changes in patient's airway patency.
	Demonstrate management of potential complications of airway maneuvers.	Demonstrate management of potential complications of airway maneuvers.	Demonstrate management of potential complications of airway maneuvers.	Demonstrate management of potential complications of airway maneuvers.

	EMR	PCP	ACP	CCP
5.1.b Suction oropharynx.	S	S	C	C
	Identify the purposes of and indications for oropharyngeal suctioning.	Explain the purposes of and indications for oropharyngeal suctioning.	Explain the purposes of and indications for oropharyngeal suctioning.	Explain the purposes of and indications for oropharyngeal suctioning.
	Describe suctioning equipment.	Describe suctioning equipment.	Describe suctioning equipment.	Describe suctioning equipment.
	Explain established standards of maintenance for suctioning equipment.	Explain established standards of maintenance for suctioning equipment.	Explain established standards of maintenance for suctioning equipment.	Explain established standards of maintenance for suctioning equipment.
	Identify pressure limitations for suctioning various age groups.	Identify pressure limitations for suctioning various age groups.	Identify pressure limitations for suctioning various age groups.	Identify pressure limitations for suctioning various age groups.
	Operate appropriate suctioning devices.	Operate appropriate suctioning devices.	Operate appropriate suctioning devices.	Operate appropriate suctioning devices.
	Demonstrate suctioning using safe technique.	Perform suctioning using safe technique.	Perform suctioning using safe technique.	Perform suctioning using safe technique.
	Adjust suctioning techniques to changes in patient's condition.	Adapt suctioning techniques to changes in patient's condition.	Adapt suctioning techniques to changes in patient's condition.	Adapt suctioning techniques to changes in patient's condition.
	List potential complications of suctioning.	Explain potential complications of suctioning.	Explain potential complications of suctioning.	Explain potential complications of suctioning.
	Demonstrate how to clean and disinfect suctioning equipment.	Perform cleaning and disinfection of suctioning equipment.	Perform cleaning and disinfection of suctioning equipment.	Perform cleaning and disinfection of suctioning equipment.
5.1.c Suction beyond oropharynx.	N	A	C	C
		Identify indications for suctioning beyond the oropharynx.	Discuss indications for suctioning beyond the oropharynx.	Discuss indications for suctioning beyond the oropharynx.
		Identify equipment for suctioning beyond the oropharynx.	Describe equipment for suctioning beyond the oropharynx.	Describe equipment for suctioning beyond the oropharynx.
			Perform suctioning beyond oropharynx.	Perform suctioning beyond oropharynx.

	EMR	PCP	ACP	CCP
5.1 d Utilize oropharyngeal airway.	S	S	S	S
	Identify the purpose and indications for inserting an oropharyngeal airway.	Explain the purpose and indications for inserting an oropharyngeal airway.	Explain the purpose and indications for inserting an oropharyngeal airway.	Explain the purpose and indications for inserting an oropharyngeal airway.
	Discuss oropharyngeal airway types and sizes.	Discuss oropharyngeal airway types and sizes.	Discuss oropharyngeal airway types and sizes.	Discuss oropharyngeal airway types and sizes.
	Perform oropharyngeal airway sizing procedures.	Perform oropharyngeal airway sizing procedures.	Perform oropharyngeal airway sizing procedures.	Perform oropharyngeal airway sizing procedures.
	Perform insertion of an oropharyngeal airway.	Perform insertion of an oropharyngeal airway.	Perform insertion of an oropharyngeal airway.	Perform insertion of an oropharyngeal airway.
	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
5.1.e Utilize nasopharyngeal airway.	S	S	S	S
	Explain the purposes of and indications for inserting a nasopharyngeal airway.	Explain the purposes of and indications for inserting a nasopharyngeal airway.	Explain the purposes of and indications for inserting a nasopharyngeal airway.	Explain the purposes of and indications for inserting a nasopharyngeal airway.
	Perform nasopharyngeal airway sizing procedures.	Perform nasopharyngeal airway sizing procedures.	Perform nasopharyngeal airway sizing procedures.	Perform nasopharyngeal airway sizing procedures.
	Perform nasopharyngeal airway insertion.	Perform nasopharyngeal airway insertion.	Perform nasopharyngeal airway insertion.	Perform nasopharyngeal airway insertion.
	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.

	EMR	PCP	ACP	CCP
5.1.f Utilize airway devices not requiring visualization of vocal cords and not introduced endotracheally.	N	S	S	S
		Explain the purposes of and indications for airway devices not requiring visualization of vocal cords and not introduced endotracheally.	Explain the purposes of and indications for airway devices not requiring visualization of vocal cords and not introduced endotracheally.	Explain the purposes of and indications for airway devices not requiring visualization of vocal cords and not introduced endotracheally.
		Describe various types of airway devices not requiring visualization of vocal cords and not introduced endotracheally.	Describe various types of airway devices not requiring visualization of vocal cords and not introduced endotracheally.	Describe various types of airway devices not requiring visualization of vocal cords and not introduced endotracheally.
		Perform sizing procedures for airway devices not requiring visualization of vocal cords and not introduced endotracheally.	Perform sizing procedures for airway devices not requiring visualization of vocal cords and not introduced endotracheally.	Perform sizing procedures for airway devices not requiring visualization of vocal cords and not introduced endotracheally.
		Perform insertion of airway devices not requiring visualization of vocal cords and not introduced endotracheally.	Perform insertion of airway devices not requiring visualization of vocal cords and not introduced endotracheally.	Perform insertion of airway devices not requiring visualization of vocal cords and not introduced endotracheally.
		Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.

	EMR	PCP	ACP	CCP
5.1.g Utilize airway devices not requiring visualization of vocal cords and introduced endotracheally.	N	A	S	S
		Explain the purposes of and indications for airway devices not requiring visualization of vocal cords and introduced endotracheally.	Explain the purposes of and indications for airway devices not requiring visualization of vocal cords and introduced endotracheally.	Explain the purposes of and indications for airway devices not requiring visualization of vocal cords and introduced endotracheally.
		Describe various types of airway devices not requiring visualization of vocal cords and introduced endotracheally.	Describe various types of airway devices not requiring visualization of vocal cords and introduced endotracheally.	Describe various types of airway devices not requiring visualization of vocal cords and introduced endotracheally.
			Perform sizing procedures for airway devices not requiring visualization of vocal cords and introduced endotracheally.	Perform sizing procedures for airway devices not requiring visualization of vocal cords and introduced endotracheally.
			Demonstrate the insertion of various airway devices not requiring visualization of the vocal cords.	Demonstrate the insertion of various airway devices not requiring visualization of the vocal cords.
			Adjust to changes in patient presentation.	Adjust to changes in patient presentation.

	EMR	PCP	ACP	CCP
5.1.h Utilize airway devices requiring visualization of vocal cords and introduced endotracheally.	N	A	C	C
		Explain the purposes of and indications for airway devices requiring visualization of vocal cords and introduced endotracheally.	Explain the purposes of and indications for airway devices requiring visualization of vocal cords and introduced endotracheally.	Explain the purposes of and indications for airway devices requiring visualization of vocal cords and introduced endotracheally.
		Describe the various types of airway devices requiring visualization of vocal cords and introduced endotracheally.	Describe the various types of airway devices requiring visualization of vocal cords and introduced endotracheally.	Describe the various types of airway devices requiring visualization of vocal cords and introduced endotracheally.
			Perform sizing procedures for airway devices requiring visualization of vocal cords and introduced endotracheally.	Perform sizing procedures for airway devices requiring visualization of vocal cords and introduced endotracheally.
			Perform insertion of airway devices requiring visualization of vocal cords and introduced endotracheally.	Perform insertion of airway devices requiring visualization of vocal cords and introduced endotracheally.
			Adjust to changes in patient presentation.	Adjust to changes in patient presentation.

	EMR	PCP	ACP	CCP
5.1.i Remove airway foreign bodies (AFB).	S	S	S	S
	Identify the indications for AFB removal.	Identify the indications for AFB removal.	Identify the indications for AFB removal.	Identify the indications for AFB removal.
	Describe the methods of relieving airway obstructions.	Describe the methods of relieving airway obstructions.	Describe the methods of relieving airway obstructions.	Describe the methods of relieving airway obstructions.
	Describe the differences in technique required for AFB removal in various age groups.	Describe the differences in technique required for AFB removal in various age groups.	Describe the differences in technique required for AFB removal in various age groups.	Describe the differences in technique required for AFB removal in various age groups.
	Perform AFB removal under a variety of presentations.	Perform AFB removal under a variety of presentations.	Perform AFB removal under a variety of presentations.	Perform AFB removal under a variety of presentations.
	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
	Identify potential complications of AFB removal.	Identify potential complications of AFB removal.	Discuss potential complications of AFB removal.	Discuss potential complications of AFB removal.
5.1.j Remove foreign body by direct techniques.	N	A	S	S
		Identify the purposes of and indications for foreign body removal by forceps.	Identify the purposes of and indications for foreign body removal by forceps.	Identify the purposes of and indications for foreign body removal by forceps.
		Describe equipment used for foreign body removal by direct techniques.	Describe equipment used for foreign body removal by direct techniques.	Describe equipment used for foreign body removal by direct techniques.
			Perform direct techniques to remove a foreign body.	Perform direct techniques to remove a foreign body.
			Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
		Identify potential complications of AFB removal by direct techniques.	Identify potential complications of AFB removal by direct techniques.	Identify potential complications of AFB removal by direct techniques.

	EMR	PCP	ACP	CCP
5.1.k Conduct percutaneous cricothyroidotomy.	N	A	S	S
		Identify the purposes of and indications for percutaneous cricothyroidotomy.	Identify the purposes of and indications for percutaneous cricothyroidotomy.	Identify the purposes of and indications for percutaneous cricothyroidotomy.
		Describe equipment used for percutaneous cricothyroidotomy.	Describe equipment used for percutaneous cricothyroidotomy.	Describe equipment used for percutaneous cricothyroidotomy.
			Perform percutaneous cricothyroidotomy.	Perform percutaneous cricothyroidotomy.
			Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
		Identify potential complications of percutaneous cricothyroidotomy.	Identify potential complications of percutaneous cricothyroidotomy.	Identify potential complications of percutaneous cricothyroidotomy.
5.1.l Conduct surgical cricothyroidotomy.	N	A	S	S
		Identify the purposes of and indications for surgical cricothyroidotomy.	Identify the purposes of and indications for surgical cricothyroidotomy.	Identify the purposes of and indications for surgical cricothyroidotomy.
		Describe equipment used for surgical cricothyroidotomy.	Describe equipment used for surgical cricothyroidotomy.	Describe equipment used for surgical cricothyroidotomy.
			Perform surgical cricothyroidotomy.	Perform surgical cricothyroidotomy.
			Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
			Identify potential complications of surgical cricothyroidotomy.	Identify potential complications of surgical cricothyroidotomy.

	EMR	PCP	ACP	CCP
GENERAL COMPETENCY 5.2 Prepare oxygen delivery devices.				
SPECIFIC COMPETENCY	SUB COMPETENCIES			
5.2.a Prepare oxygen delivery devices.	A	A	A	A
	Identify indications for oxygen administration.	Describe indications for oxygen administration.	Discuss indications for oxygen administration.	Discuss indications for oxygen administration.
	Identify the purpose of oxygen administration.	Discuss the purpose of oxygen administration.	Explain the purpose of oxygen administration.	Explain the purpose of oxygen administration.
	Identify oxygen administration complications.	Discuss oxygen administration complications.	Explain oxygen administration complications.	Explain oxygen administration complications.
	Describe the safe handling of oxygen delivery systems.	Describe the safe handling of oxygen delivery systems.	Describe the safe handling of oxygen delivery systems.	Describe the safe handling of oxygen delivery systems.
	Discuss oxygen administration precautions.	Discuss oxygen administration precautions.	Discuss oxygen administration precautions.	Discuss oxygen administration precautions.
	Identify different oxygen cylinder types and sizes.	Identify different oxygen cylinder types and sizes.	Identify different oxygen cylinder types and sizes.	Identify different oxygen cylinder types and sizes.
	Apply the formulas that determine oxygen cylinder factors, volume (or type) and maximum filling volumes and duration.	Apply the formulas that determine oxygen cylinder factors, volume (or type) and maximum filling volumes and duration.	Apply the formulas that determine oxygen cylinder factors, volume (or type) and maximum filling volumes and duration.	Apply the formulas that determine oxygen cylinder factors, volume (or type) and maximum filling volumes and duration.
	Identify various types of oxygen delivery systems.	Identify various types of oxygen delivery systems.	Identify various types of oxygen delivery systems.	Identify various types of oxygen delivery systems.
	Explain the difference between portable and fixed delivery systems.	Explain the difference between portable and fixed delivery systems.	Explain the difference between portable and fixed delivery systems.	Explain the difference between portable and fixed delivery systems.
5.2.b Utilize portable oxygen delivery systems.	S	P	P	P
	Describe the sequential steps for setting up oxygen delivery systems.	Describe the sequential steps for setting up oxygen delivery systems.	Describe the sequential steps for setting up oxygen delivery systems.	Describe the sequential steps for setting up oxygen delivery systems.
	Operate oxygen delivery systems.	Operate oxygen delivery systems.	Operate oxygen delivery systems.	Operate oxygen delivery systems.
	Demonstrate cleaning and disinfection of oxygen delivery systems.	Demonstrate cleaning and disinfection of oxygen delivery systems.	Demonstrate cleaning and disinfection of oxygen delivery systems.	Demonstrate cleaning and disinfection of oxygen delivery systems.

	EMR	PCP	ACP	CCP
GENERAL COMPETENCY 5.3 Deliver oxygen and administer manual ventilation.				
SPECIFIC COMPETENCY	SUB COMPETENCIES			
5.3.a Administer oxygen using nasal cannula.	S	C	C	C
	Identify the purposes of and indications for the use of a nasal cannula.	Identify the purposes of and indications for the use of a nasal cannula.	Identify the purposes of and indications for the use of a nasal cannula.	Identify the purposes of and indications for the use of a nasal cannula.
	List the steps for administration of oxygen by nasal cannula.	List the steps for administration of oxygen by nasal cannula.	List the steps for administration of oxygen by nasal cannula.	List the steps for administration of oxygen by nasal cannula.
	Perform oxygen administration using a nasal cannula.	Perform oxygen administration using a nasal cannula.	Perform oxygen administration using a nasal cannula.	Perform oxygen administration using a nasal cannula.
	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
5.3.b Administer oxygen using low concentration mask.	S	S	S	S
	Identify the purposes of and indications for the use of a low concentration mask.	Identify the purposes of and indications for the use of a low concentration mask.	Identify the purposes of and indications for the use of a low concentration mask.	Identify the purposes of and indications for the use of a low concentration mask.
	List the steps for administration of oxygen by a low concentration mask.	List the steps for administration of oxygen by a low concentration mask.	List the steps for administration of oxygen by a low concentration mask.	List the steps for administration of oxygen by a low concentration mask.
	Perform oxygen administration using a low concentration mask.	Perform oxygen administration using a low concentration mask.	Perform oxygen administration using a low concentration mask.	Perform oxygen administration using a low concentration mask.
	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
5.3.c Administer oxygen using controlled concentration mask.	N	A	A	A
		Identify the purposes of and indications for the use of a controlled concentration oxygen mask.	Identify the purposes of and indications for the use of a controlled concentration oxygen mask.	Identify the purposes of and indications for the use of a controlled concentration oxygen mask.

	EMR	PCP	ACP	CCP
5.3.d Administer oxygen using high concentration mask.	S	C	C	C
	Identify the purposes of and indications for the use of a high concentration mask.	Identify the purposes of and indications for the use of a high concentration mask.	Identify the purposes of and indications for the use of a high concentration mask.	Identify the purposes of and indications for the use of a high concentration mask.
	List the steps for administration of oxygen by a high concentration mask.	List the steps for administration of oxygen by a high concentration mask.	List the steps for administration of oxygen by a high concentration mask.	List the steps for administration of oxygen by a high concentration mask.
	Perform oxygen administration using a high concentration mask.	Perform oxygen administration using a high concentration mask.	Perform oxygen administration using a high concentration mask.	Perform oxygen administration using a high concentration mask.
	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
5.3.e Administer oxygen using pocket mask.	S	S	S	S
	Identify the purposes of and indications for the use of a pocket mask.	Identify the purposes of and indications for the use of a pocket mask.	Identify the purposes of and indications for the use of a pocket mask.	Identify the purposes of and indications for the use of a pocket mask.
	List the steps for administration of oxygen by a pocket mask.	List the steps for administration of oxygen by a pocket mask.	List the steps for administration of oxygen by a pocket mask.	List the steps for administration of oxygen by a pocket mask.
	Perform oxygen administration using a pocket mask.	Perform oxygen administration using a pocket mask.	Perform oxygen administration using a pocket mask.	Perform oxygen administration using a pocket mask.
	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.

	EMR	PCP	ACP	CCP
GENERAL COMPETENCY 5.4 Utilize ventilation equipment.				
SPECIFIC COMPETENCY	SUB COMPETENCIES			
5.4.a Provide oxygenation and ventilation using manual positive pressure devices.	S	C	C	C
	Identify the purposes of and indications for the use of a manual positive pressure device.	Identify the purposes of and indications for the use of a manual positive pressure device.	Identify the purposes of and indications for the use of a manual positive pressure device.	Identify the purposes of and indications for the use of a manual positive pressure device.
	List the steps for administration of oxygen by a manual positive pressure device.	List the steps for administration of oxygen by a manual positive pressure device.	List the steps for administration of oxygen by a manual positive pressure device.	List the steps for administration of oxygen by a manual positive pressure device.
		Discuss rate, rhythm, volume, compliance and positive end expiratory pressure.	Discuss rate, rhythm, volume, compliance and positive end expiratory pressure.	Discuss rate, rhythm, volume, compliance and positive end expiratory pressure.
	Perform ventilation using a manual positive pressure device.	Perform ventilation using a manual positive pressure device.	Perform ventilation using a manual positive pressure device.	Perform ventilation using a manual positive pressure device.
	Distinguish between one person or two person application of a manual positive pressure device.	Distinguish between one person or two person application of a manual positive pressure device.	Distinguish between one person or two person application of a manual positive pressure device.	Distinguish between one person or two person application of a manual positive pressure device.
		Evaluate the effectiveness of ventilation.	Evaluate the effectiveness of ventilation.	Evaluate the effectiveness of ventilation.
	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
5.4.b Recognize indications for mechanical ventilation.	N	A	A	A
		Define "mechanical ventilation".	Define "mechanical ventilation".	Define "mechanical ventilation".
		Identify the various types of mechanical ventilation equipment.	Identify the various types of mechanical ventilation equipment.	Identify the various types of mechanical ventilation equipment.
		List indications for mechanical ventilation.	Discuss indications for mechanical ventilation.	Evaluate whether patient may benefit from mechanical ventilation.

	EMR	PCP	ACP	CCP
5.4.c Prepare mechanical ventilation equipment.	N	A	S	S
		Discuss potential complications and safety issues when using mechanical ventilation.	Discuss potential complications and safety issues when using mechanical ventilation.	Explain potential complications and safety issues when using mechanical ventilation.
		Describe vent circuit, end-tidal carbon dioxide, manometer, respirometer.	Describe vent circuit, end-tidal carbon dioxide, manometer, respirometer.	Describe vent circuit, end-tidal carbon dioxide, manometer, respirometer.
		Differentiate between intermittent mandatory ventilation, continuous mandatory ventilation, assist control, inverse ratio.	Differentiate between intermittent mandatory ventilation, continuous mandatory ventilation, assist control, inverse ratio.	Differentiate between intermittent mandatory ventilation, continuous mandatory ventilation, assist control, inverse ratio.
		Discuss continuous positive airway pressure, positive end expiratory pressure, non-invasive positive pressure ventilation.	Discuss continuous positive airway pressure, positive end expiratory pressure, non-invasive positive pressure ventilation.	Explain continuous positive airway pressure, positive end expiratory pressure, non-invasive positive pressure ventilation.
		Describe blender, saturated oxygen.	Describe blender, saturated oxygen.	Describe blender, saturated oxygen.
		Describe compliance, resistance, plateau pressure, inspiratory pressure, expiratory pressure, peak expiratory pressure, tidal volume, respiratory rate.	Describe compliance, resistance, plateau pressure, inspiratory pressure, expiratory pressure, peak expiratory pressure, tidal volume, respiratory rate.	Explain compliance, resistance, plateau pressure, inspiratory pressure, expiratory pressure, peak expiratory pressure, tidal volume, respiratory rate.
			Set up mechanical ventilator based on patient presentation.	Set up mechanical ventilator based on patient presentation.

	EMR	PCP	ACP	CCP
5.4.d Provide mechanical ventilation.	N	A	S	C
		Describe use of mechanical ventilator based on patient presentation.	Describe use of mechanical ventilator based on patient presentation.	Describe use of mechanical ventilator based on patient presentation.
		Describe the adjustment of parameters to changes in ventilatory and hemodynamic status.	Describe the adjustment of parameters to changes in ventilatory and hemodynamic status.	Describe the adjustment of parameters to changes in ventilatory and hemodynamic status.
		Discuss the use of mechanical ventilator based on patient presentation.	Discuss the use of mechanical ventilator based on patient presentation.	Discuss the use of mechanical ventilator based on patient presentation.
		Discuss the use of capnography and pulse oximetry.	Discuss the use of capnography and pulse oximetry.	Discuss the use of capnography and pulse oximetry.
			Demonstrate use of mechanical ventilator based on patient presentation.	Demonstrate use of mechanical ventilator based on patient presentation.
			Adjust parameters to changes in ventilatory and hemodynamic status.	Adjust parameters to changes in ventilatory and hemodynamic status.
			Integrate the use of mechanical ventilator based on patient presentation.	Integrate the use of mechanical ventilator based on patient presentation.
			Integrate the use of capnography and pulse oximetry.	Integrate the use of pressure support, pressure control, manometry, respirometry and arterial blood gas analysis.

	EMR	PCP	ACP	CCP
GENERAL COMPETENCY 5.5 Implement measures to maintain hemodynamic stability.				
SPECIFIC COMPETENCY	SUB COMPETENCIES			
5.5.a Conduct cardiopulmonary resuscitation (CPR).	S	S	S	S
	Identify the purposes of and indications for CPR.	Identify the purposes of and indications for CPR.	Identify the purposes of and indications for CPR.	Identify the purposes of and indications for CPR.
	List the steps for CPR administration in a variety of presentations.	List the steps for CPR administration in a variety of presentations.	List the steps for CPR administration in a variety of presentations.	List the steps for CPR administration in a variety of presentations.
	Perform CPR on various age groups.	Perform CPR on various age groups.	Perform CPR on various age groups.	Perform CPR on various age groups.
	Perform CPR while moving a patient from site of collapse.	Perform CPR while moving a patient from site of collapse.	Perform CPR while moving a patient from site of collapse.	Perform CPR while moving a patient from site of collapse.
	Discuss potential complications of CPR.	Discuss potential complications of CPR.	Discuss potential complications of CPR.	Discuss potential complications of CPR.
	Adapt to changes in patient presentation.	Adapt to changes in patient presentation.	Adapt to changes in patient presentation.	Adapt to changes in patient presentation.
5.5.b Control external hemorrhage through the use of direct pressure and patient positioning.	S	S	S	S
	Identify the purposes of and indications for hemorrhage control through the use of direct pressure and patient positioning.	Identify the purposes of and indications for hemorrhage control through the use of direct pressure and patient positioning.	Identify the purposes of and indications for hemorrhage control through the use of direct pressure and patient positioning.	Identify the purposes of and indications for hemorrhage control through the use of direct pressure and patient positioning.
	List the steps for hemorrhage control through the use of direct pressure and patient positioning.	List the steps for hemorrhage control through the use of direct pressure and patient positioning.	List the steps for hemorrhage control through the use of direct pressure and patient positioning.	List the steps for hemorrhage control through the use of direct pressure and patient positioning.
	Perform hemorrhage control through the use of direct pressure and patient positioning.	Perform hemorrhage control through the use of direct pressure and patient positioning.	Perform hemorrhage control through the use of direct pressure and patient positioning.	Perform hemorrhage control through the use of direct pressure and patient positioning.

	EMR	PCP	ACP	CCP
5.5.b Control external hemorrhage through the use of direct pressure and patient positioning. Continued	S	S	S	S
	Discuss potential complications of hemorrhage control through the use of direct pressure and patient positioning.	Discuss potential complications of hemorrhage control through the use of direct pressure and patient positioning.	Discuss potential complications of hemorrhage control through the use of direct pressure and patient positioning.	Discuss potential complications of hemorrhage control through the use of direct pressure and patient positioning.
	Adapt to changes in patient presentation.	Adapt to changes in patient presentation.	Adapt to changes in patient presentation.	Adapt to changes in patient presentation.
5.5 c Maintain peripheral intravenous (IV) access devices and infusions of crystalloid solutions without additives.	N	C	P	P
		Describe equipment for peripheral IV infusion.	Describe equipment for peripheral IV infusion.	Describe equipment for peripheral IV infusion.
		Identify factors that affect the flow rate.	Identify factors that affect the flow rate.	Identify factors that affect the flow rate.
		Demonstrate the ability to discontinue an infusion following sequential steps.	Demonstrate the ability to discontinue an infusion following sequential steps.	Demonstrate the ability to discontinue an infusion following sequential steps.
		Adjust devices as required to maintain flow rates.	Adjust devices as required to maintain flow rates.	Adjust devices as required to maintain flow rates.
5.5.d Conduct peripheral intravenous cannulation.	N	C	P	P
		Identify the purposes of and indications for peripheral IV cannulation.	Identify the purposes of and indications for peripheral IV cannulation.	Identify the purposes of and indications for peripheral IV cannulation.
		List the steps of peripheral IV cannulation.	List the steps of peripheral IV cannulation.	List the steps of peripheral IV cannulation.
		Perform peripheral IV cannulation.	Perform peripheral IV cannulation.	Perform peripheral IV cannulation.
		Discuss potential complications of peripheral IV cannulation.	Discuss potential complications of peripheral IV cannulation.	Discuss potential complications of peripheral IV cannulation.
		Adapt to changes in patient presentation.	Adapt to changes in patient presentation.	Adapt to changes in patient presentation.

	EMR	PCP	ACP	CCP
5.5.e Conduct intraosseous needle insertion.	N	A	S	S
		Identify the purposes of and indications for intraosseous needle insertion.	Identify the purposes of and indications for intraosseous needle insertion.	Identify the purposes of and indications for intraosseous needle insertion.
		List the steps of intraosseous needle insertion.	List the steps of intraosseous needle insertion.	List the steps of intraosseous needle insertion.
			Perform intraosseous needle insertion.	Perform intraosseous needle insertion.
		Identify potential complications of intraosseous needle insertion.	Discuss potential complications of intraosseous needle insertion.	Discuss potential complications of intraosseous needle insertion.
			Adapt to changes in patient presentation.	Adapt to changes in patient presentation.
5.5.f Utilize direct pressure infusion devices with intravenous infusions.	N	S	S	S
		Discuss purposes of and indications for pressure infusion.	Discuss purposes of and indications for pressure infusion.	Discuss purposes of and indications for pressure infusion.
		Discuss the principles and techniques for applying added pressure to an infusion line.	Discuss the principles and techniques for applying added pressure to an infusion line.	Explain the principles and techniques for applying added pressure to an infusion line.
		Perform direct pressure infusions.	Perform direct pressure infusions.	Perform direct pressure infusions.
		Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
5.5.g Administer volume expanders (colloid and non-crystalloid).	N	A	S	S
		Explain the reasons for administration of volume expanders.	Explain the reasons for administration of volume expanders.	Explain the reasons for administration of volume expanders.
		List equipment for administration of volume expanders.	Set up equipment for administration of volume expanders.	Set up equipment for administration of volume expanders.
			Demonstrate the administration of volume expanders.	Demonstrate the administration of volume expanders.

	EMR	PCP	ACP	CCP
5.5 h Administer blood and/or blood products.	N	A	A	S
		Describe the components of blood.	Describe the components of blood.	Describe the components of blood.
		Discuss blood types.	Discuss blood types.	Discuss blood types.
		List products derived from blood.	List products derived from blood.	Distinguish between products derived from blood.
		List precautions for handling blood.	List precautions for handling blood.	Demonstrate safe handling of blood.
		List potential complications of blood transfusions.	List potential complications of blood transfusions.	Discuss potential complications of blood transfusions.
				Perform the administration of blood and/or blood products.
				Integrate the administration of blood and blood products with volume expanders.
				Adjust patient care based on presentation.
5.5.i Conduct automated external defibrillation.	S	S	S	S
	Define "defibrillation".	Explain defibrillation.	Explain defibrillation.	Explain defibrillation.
	Describe the purposes of automated external defibrillation.	Explain the purposes of automated external defibrillation.	Explain the purposes of automated external defibrillation.	Explain the purposes of automated external defibrillation.
	Discuss the indications for automated external defibrillation.	Discuss the indications for automated external defibrillation.	Discuss the indications for automated external defibrillation.	Discuss the indications for automated external defibrillation.
	Identify the various types of automated external defibrillator.	Discuss the various types of automated external defibrillator.	Discuss the various types of automated external defibrillator.	Discuss the various types of automated external defibrillator.
	List complications to the use of automated external defibrillation.	Explain complications to the use of automated external defibrillation.	Explain complications to the use of automated external defibrillation.	Explain complications to the use of automated external defibrillation.
	Apply the established standards of automated external defibrillation equipment maintenance.	Apply the established standards of automated external defibrillation equipment maintenance.	Apply the established standards of automated external defibrillation equipment maintenance.	Apply the established standards of automated external defibrillation equipment maintenance.

	EMR	PCP	ACP	CCP
5.5.i Conduct automated external defibrillation. Continued	S	S	S	S
	Operate an automated external defibrillator.	Operate an automated external defibrillator.	Operate an automated external defibrillator.	Operate an automated external defibrillator.
	Integrate CPR procedures and automated external defibrillation procedures.	Integrate CPR procedures and automated external defibrillation procedures.	Integrate CPR procedures and automated external defibrillation procedures.	Integrate CPR procedures and automated external defibrillation procedures.
	Adapt procedures to patient presentation.	Integrate procedures to patient presentation.	Integrate procedures to patient presentation.	Integrate procedures to patient presentation.
5.5.j Conduct manual defibrillation.	N	A	S	S
		Distinguish between automated external defibrillation and manual defibrillation.	Explain the differences between automated external defibrillation and manual defibrillation.	Explain the differences between automated external defibrillation and manual defibrillation.
		Describe the purposes of manual defibrillation.	Explain the purposes of manual defibrillation.	Explain the purposes of manual defibrillation.
		Identify the indications for manual defibrillation.	Discuss the indications for manual defibrillation.	Discuss the indications for manual defibrillation.
		Identify the various types of manual defibrillators.	Discuss the various types of manual defibrillators.	Discuss the various types of manual defibrillators.
		Identify complications to the use of manual defibrillation.	Explain complications to the use of manual defibrillation.	Explain complications to the use of manual defibrillation.
			Apply the established standards of manual defibrillation equipment maintenance.	Apply the established standards of manual defibrillation equipment maintenance.
		Identify situations where manual defibrillation is required.	Discuss situations where manual defibrillation is required.	Discuss situations where manual defibrillation is required.
			Operate a manual defibrillator.	Operate a manual defibrillator.
			Integrate CPR procedures and manual defibrillation procedures.	Integrate CPR procedures and manual defibrillation procedures.
			Adapt manual defibrillation procedures to patient presentation.	Adapt manual defibrillation procedures to patient presentation.

	EMR	PCP	ACP	CCP
5.5.k Conduct cardioversion.	N	A	S	S
		Describe cardioversion.	Explain cardioversion.	Explain cardioversion.
		Identify the medical conditions that require cardioversion.	Discuss the medical conditions that require cardioversion.	Discuss the medical conditions that require cardioversion.
		Identify equipment required for cardioversion.	Discuss equipment required for cardioversion.	Discuss equipment required for cardioversion.
		Identify complications of cardioversion.	Explain complications of cardioversion.	Explain complications of cardioversion.
			Set up equipment for cardioversion.	Set up equipment for cardioversion.
			Demonstrate cardioversion.	Demonstrate cardioversion.
			Adjust procedures to patient presentation.	Adjust procedures to patient presentation.
			Integrate CPR and manual cardioversion.	Integrate CPR and manual cardioversion.
			Integrate sedative and analgesic therapies with manual cardioversion.	Integrate sedative and analgesic therapies with manual cardioversion.
5.5.l Conduct transcutaneous pacing.	N	A	S	S
		Describe transcutaneous pacing.	Explain transcutaneous pacing.	Explain transcutaneous pacing.
		Identify situations where transcutaneous pacing is indicated.	Discuss situations where transcutaneous pacing is indicated.	Discuss situations where transcutaneous pacing is indicated.
		Identify equipment for transcutaneous pacing.	Discuss equipment for transcutaneous pacing.	Discuss equipment for transcutaneous pacing.
		Identify complications of transcutaneous pacing.	Explain complications of transcutaneous pacing.	Explain complications of transcutaneous pacing.
			Set up equipment required for transcutaneous pacing.	Set up equipment required for transcutaneous pacing.
			Demonstrate transcutaneous pacing.	Demonstrate transcutaneous pacing.
			Adjust procedures to patient presentation.	Adjust procedures to patient presentation.
			Integrate sedative and analgesic therapies with transcutaneous pacing.	Integrate sedative and analgesic therapies with transcutaneous pacing.

	EMR	PCP	ACP	CCP
5.5.m Maintain transvenous pacing.	N	N	A	S
			Identify situations where transvenous pacing is indicated.	Discuss situations where transvenous pacing is indicated.
			Identify equipment required for transvenous pacing.	Identify equipment required for transvenous pacing.
				Explain complications of transvenous pacing.
				Set up equipment for transvenous pacing.
				Demonstrate transvenous pacing.
				Adjust procedures to patient presentation.
5.5.n Maintain intra-aortic balloon pumps.	N	N	A	A
			Describe the purpose of intra-aortic balloon pumps.	Explain the purpose of intra-aortic balloon pumps.
			Identify the complications of intra-aortic balloon pumps during transport.	Explain the complications of intra-aortic balloon pumps during transport.
5.5.o Provide routine care for patient with urinary catheter.	N	S	C	C
		Identify the purpose of a urinary catheter.	Identify the purpose of a urinary catheter.	Identify the purpose of a urinary catheter.
		Identify equipment for catheterization.	Identify equipment for catheterization.	Identify equipment for catheterization.
		Explain how the size of the catheter can affect the patient.	Explain how the size of the catheter can affect the patient.	Explain how the size of the catheter can affect the patient.
		Explain relationship between urine output and patient condition.	Explain relationship between urine output and patient condition.	Explain relationship between urine output and patient condition.
		Demonstrate the appropriate technique when caring for equipment and patient.	Perform the appropriate technique when caring for equipment and patient.	Perform the appropriate technique when caring for equipment and patient.

	EMR	PCP	ACP	CCP
5.5.o Provide routine care for patient with urinary catheter. Continued	N	S	C	C
		Explain potential complications to catheter care.	Explain potential complications to catheter care.	Explain potential complications to catheter care.
		Demonstrate how to drain and measure urine output.	Demonstrate how to drain and measure urine output.	Demonstrate how to drain and measure urine output.
		Adapt care procedures to patient presentation.	Adapt care procedures to patient presentation.	Adapt care procedures to patient presentation.
5.5.p Provide routine care for patient with ostomy drainage system.	N	A	S	S
		Identify the purpose of an ostomy drainage system.	Identify the purpose of an ostomy drainage system.	Identify the purpose of an ostomy drainage system.
		Identify equipment for ostomy drainage.	Identify equipment for ostomy drainage.	Identify equipment for ostomy drainage.
		Identify the site of the ostomy and relate to patient condition.	Explain the site of the ostomy and relate to patient condition.	Explain the site of the ostomy and relate to patient condition.
		Describe the components of drainage bag.	Describe the components of drainage bag.	Describe the components of drainage bag.
			Demonstrate routine care for patient with an ostomy drainage system.	Demonstrate routine care for patient with an ostomy drainage system.
5.5.q Provide routine care for patient with non-catheter urinary drainage system.	N	A	A	A
		Identify equipment for non-catheter urinary drainage .	Discuss equipment for non-catheter urinary drainage.	Discuss equipment for non-catheter urinary drainage.
		Relate urine output to patient condition.	Relate urine output to patient condition.	Relate urine output to patient condition.
		Identify the purpose of non-catheter urinary drainage.	Discuss the purpose of non-catheter urinary drainage.	Discuss the purpose of non-catheter urinary drainage.
		Describe procedures for the routine care of a patient with non-catheter drainage system.	Discuss procedures for the routine care of a patient with non-catheter drainage system.	Discuss procedures for the routine care of a patient with non-catheter drainage system.

	EMR	PCP	ACP	CCP
5.5.r Monitor chest tubes.	N	A	S	C
		Describe the purpose of a chest tube.	Explain the purpose of a chest tube.	Explain the purpose of a chest tube.
		Describe indications for the use of chest tubes.	Explain indications for the use of chest tubes.	Explain indications for the use of chest tubes.
		Identify the components of a closed chest tube system.	Describe the components of a closed chest tube system.	Describe the components of a closed chest tube system.
			Perform monitoring techniques for the application of existing chest drainage systems.	Perform monitoring techniques for the application of existing chest drainage systems.
			Adapt techniques to all age groups and patient presentations.	Adapt techniques to all age groups and patient presentations.
5.5.s Conduct needle thoracostomy.	N	A	S	S
		Describe indications for needle thoracostomy.	Discuss indications for needle thoracostomy.	Discuss indications for needle thoracostomy.
		Identify equipment for needle thoracostomy.	Describe equipment for needle thoracostomy.	Describe equipment for needle thoracostomy.
			Demonstrate performance of needle thoracostomy.	Demonstrate performance of needle thoracostomy.
5.5.t Conduct oral and nasal gastric tube insertion.	N	A	S	C
		Describe indications for oral and nasal gastric intubation.	Discuss indications for oral and nasal gastric intubation.	Apply indications for oral and nasal gastric intubation.
		Identify equipment for oral and nasal gastric intubation.	Describe equipment for oral and nasal gastric intubation.	Describe equipment for oral and nasal gastric intubation.
			Demonstrate oral and nasal gastric tube insertion.	Perform oral and nasal gastric tube insertion.
			Adapt techniques to age groups and patient types.	Adapt techniques to age groups and patient types.

	EMR	PCP	ACP	CCP
5.5.u Conduct urinary catheterization.	N	A	S	C
		Describe the indications for urinary catheterization.	Describe the indications for urinary catheterization.	Discuss the indications for urinary catheterization.
		Identify the equipment needed for urinary catheterization.	Identify the equipment needed for urinary catheterization.	Describe the equipment needed for urinary catheterization.
		Identify the differences to catheterization between males and females.	Describe the differences to catheterization between males and females.	Describe the differences to catheterization between males and females.
			Perform urinary catheterization on males and females.	Perform urinary catheterization on males and females.
				Adapt techniques to various age groups and special situations.
GENERAL COMPETENCY 5.6 Provide basic care for soft tissue injuries.				
SPECIFIC COMPETENCY	SUB COMPETENCIES			
5.6.a Treat soft tissue injuries.	S	P	P	P
	Identify the purposes of and indications for soft tissue dressing, bandaging and immobilization.	Identify the purposes of and indications for soft tissue dressing, bandaging and immobilization.	Identify the purposes of and indications for soft tissue dressing, bandaging and immobilization.	Identify the purposes of and indications for soft tissue dressing, bandaging and immobilization.
	Describe the various types of dressings and bandages.	Describe the various types of dressings and bandages.	Describe the various types of dressings and bandages.	Describe the various types of dressings and bandages.
	Demonstrate appropriate dressing, bandaging and immobilization procedures.	Perform appropriate dressing, bandaging and immobilization procedures.	Perform appropriate dressing, bandaging and immobilization procedures.	Perform appropriate dressing, bandaging and immobilization procedures.
		Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.

	EMR	PCP	ACP	CCP
5.6.b Treat burn.	S	S	S	S
	Identify the purposes of and indications for dressing a burn.	Identify the purposes of and indications for dressing a burn.	Identify the purposes of and indications for dressing a burn.	Identify the purposes of and indications for dressing a burn.
	Describe types of burn dressings.	Describe types of burn dressings.	Describe types of burn dressings.	Describe types of burn dressings.
	Demonstrate application of burn dressing.	Demonstrate application of burn dressing.	Demonstrate application of burn dressing.	Demonstrate application of burn dressing.
		Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
5.6.c Treat eye injury.	S	S	S	S
	Identify the purposes of and indications for an eye dressing.	Identify the purposes of and indications for an eye dressing.	Identify the purposes of and indications for an eye dressing.	Identify the purposes of and indications for an eye dressing.
	Describe types of eye dressings.	Describe types of eye dressings.	Describe types of eye dressings.	Describe types of eye dressings.
	Demonstrate application of eye dressing.	Demonstrate application of eye dressing.	Demonstrate application of eye dressing.	Demonstrate application of eye dressing.
		Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
5.6.d Treat penetration wound.	S	S	S	S
	Identify the purposes of and indications for dressing a penetration wound.	Identify the purposes of and indications for dressing a penetration wound.	Identify the purposes of and indications for dressing a penetration wound.	Identify the purposes of and indications for dressing a penetration wound.
	Describe types of penetration wound dressings.	Describe types of penetration wound dressings.	Describe types of penetration wound dressings.	Describe types of penetration wound dressings.
	Demonstrate application of penetration wound dressing.	Demonstrate application of penetration wound dressing.	Demonstrate application of penetration wound dressing.	Demonstrate application of penetration wound dressing.
		Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.

	EMR	PCP	ACP	CCP
5.6.e Treat local cold injury.	S	S	S	S
	Describe methods for local cold injury assessment.	Describe methods for local cold injury assessment.	Describe methods for local cold injury assessment.	Describe methods for local cold injury assessment.
	Identify the purposes of and indications for caring for local cold injury.	Identify the purposes of and indications for caring for local cold injury.	Identify the purposes of and indications for caring for local cold injury.	Identify the purposes of and indications for caring for local cold injury.
	Identify the types of tissue damage that may result from local cold injury.	Identify the types of tissue damage that may result from local cold injury.	Identify the types of tissue damage that may result from local cold injury.	Identify the types of tissue damage that may result from local cold injury.
	Demonstrate provision of care for local cold injury.	Demonstrate provision of care for local cold injury.	Demonstrate provision of care for local cold injury.	Demonstrate provision of care for local cold injury.
		Adjust to changes in patient presentation.	Adjust to changes in patient presentation.	Adjust to changes in patient presentation.
5.6.f Provide routine wound care.		S	S	S
		Describe the stages of wound healing	Describe the stages of wound healing	Describe the stages of wound healing
		Describe common dressings and therapies associated with wound care.	Describe common dressings and therapies associated with wound care.	Describe common dressings and therapies associated with wound care.
		Explain the ongoing care associated with wound management	Explain the ongoing care associated with wound management	Explain the ongoing care associated with wound management
		Explain the process of suturing/stapling and suture/staple removal	Explain the process of suturing/stapling and suture/staple removal	Explain the process of suturing/stapling and suture/staple removal
		Perform wound care.	Perform wound care.	Perform wound care.
		Utilize sterile or aseptic technique as appropriate.	Utilize sterile or aseptic technique as appropriate.	Utilize sterile or aseptic technique as appropriate.

	EMR	PCP	ACP	CCP
GENERAL COMPETENCY 5.7 Immobilize actual and suspected fractures.				
SPECIFIC COMPETENCY	SUB COMPETENCIES			
5.7.a Immobilize suspected fractures involving appendicular skeleton.	S	S	S	S
	Identify signs and symptoms of a possible fracture not involving the spinal column.	Identify signs and symptoms of possible fractures to the appendicular skeleton.	Identify signs and symptoms of possible fractures to the appendicular skeleton.	Identify signs and symptoms of possible fractures to the appendicular skeleton.
	Distinguish between open and closed fractures.	Distinguish between open and closed fractures.	Distinguish between open and closed fractures.	Distinguish between open and closed fractures.
		Evaluate commercially manufactured splints for use based on patient presentation.	Evaluate commercially manufactured splints for use based on patient presentation.	Evaluate commercially manufactured splints for use based on patient presentation.
	Modify splints to meet patient needs.	Modify splints to meet patient needs.	Modify splints to meet patient needs.	Modify splints to meet patient needs.
		Explain how the mechanism of injury and illness can affect injuries to the appendicular skeleton.	Explain how the mechanism of injury and illness can affect injuries to the appendicular skeleton.	Explain how the mechanism of injury and illness can affect injuries to the appendicular skeleton.
	Demonstrate appropriate treatment to suspected fractures.	Perform appropriate treatment to suspected fractures.	Perform appropriate treatment to suspected fractures.	Perform appropriate treatment to suspected fractures.
5.7.b Immobilize suspected fractures involving axial skeleton.	S	P	P	P
	Identify signs and symptoms of possible injury to the spinal column.	Identify signs and symptoms of possible fracture injury to the axial skeleton.	Identify signs and symptoms of possible fracture injury to the axial skeleton.	Identify signs and symptoms of possible fracture injury to the axial skeleton.
		Describe the relationship of kinematics to potential spinal injury.	Describe the relationship of kinematics to potential spinal injury.	Describe the relationship of kinematics to potential spinal injury.
		Evaluate commercially manufactured immobilization devices for use based on patient presentation.	Evaluate commercially manufactured immobilization devices for use based on patient presentation.	Evaluate commercially manufactured immobilization devices for use based on patient presentation.

	EMR	PCP	ACP	CCP
5.7.b Immobilize suspected fractures involving axial skeleton. Continued	S	P	P	P
	Modify immobilization devices to meet patient needs.	Modify immobilization devices to meet patient needs.	Modify immobilization devices to meet patient needs.	Modify immobilization devices to meet patient needs.
	Demonstrate treatment of suspected fractures involving the axial skeleton.	Perform treatment of suspected fractures involving the axial skeleton.	Perform treatment of suspected fractures involving the axial skeleton.	Perform treatment of suspected fractures involving the axial skeleton.
5.7.c Reduce fractures and dislocations.	N	X	A	A
		Define "Closed Reduction"	Define "Closed Reduction"	Define "Closed Reduction"
		Discuss the indications for fracture and dislocation reduction	Discuss the indications for fracture and dislocation reduction	Discuss the indications for fracture and dislocation reduction
			Discuss possible complications and their signs and symptoms of fracture and dislocation reduction	Discuss possible complications and their signs and symptoms of fracture reduction
			Describe the process of fracture and dislocation reduction	Describe the process of fracture and dislocation reduction

	EMR	PCP	ACP	CCP
GENERAL COMPETENCY 5.8 Administer medications.				
SPECIFIC COMPETENCY	SUB COMPETENCIES			
5.8.a Recognize principles of pharmacology as applied to medications listed in Appendix 5.		A	A	A
		Identify the sources for medications.	Identify the sources for medications.	Identify the sources for medications.
		Describe mechanisms of entry, absorption, site of action, metabolism and elimination.	Explain mechanisms of entry, absorption, site of action, metabolism and elimination.	Explain mechanisms of entry, absorption, site of action, metabolism and elimination.
		Perform calculation to determine the amount of medication required for expected action.	Perform calculation to determine the amount of medication required for expected action.	Perform calculation to determine the amount of medication required for expected action.
		Explain factors that affect the absorption, distribution and elimination of a medication.	Explain factors that affect the absorption, distribution and elimination of a medication.	Explain factors that affect the absorption, distribution and elimination of a medication.
		Discuss indications, relative and absolute contraindications, side effects, dosage parameters, and safe administration process for each medication.	Discuss indications, relative and absolute contraindications, side effects, dosage parameters, and safe administration process for each medication.	Discuss indications, relative and absolute contraindications, side effects, dosage parameters, and safe administration process for each medication.
		Identify drug classification.	Identify drug classification.	Identify drug classification.
		Identify chemical, generic, trade and official names for all medications.	Identify chemical, generic, trade and official names for all medications.	Identify chemical, generic, trade and official names for all medications.
		Discuss the information found within an appropriate medication references.	Explain the information found within an appropriate medication references.	Explain the information found within an appropriate medication references.

	EMR	PCP	ACP	CCP
5.8.a Recognize principles of pharmacology as applied to medications listed in Appendix 5. Continued		A	A	A
		Explain formulations related to administration.	Explain formulations related to administration.	Explain formulations related to administration.
		Define pharmacological terminology and abbreviations.	Define pharmacological terminology and abbreviations.	Define pharmacological terminology and abbreviations.
		List the signs, symptoms and side-effects of iatrogenic overdose.	Discuss the signs, symptoms and side-effects of iatrogenic overdose.	Analyze the signs, symptoms and side-effects of iatrogenic overdose.
5.8.b Follow safe process for responsible medication administration.	N	C	P	P
		Explain the “Five Rights” of medication administration.	Explain the “Five Rights” of medication administration.	Explain the “Five Rights” of medication administration.
		Distinguish between the different drug administration routes.	Distinguish between the different drug administration routes.	Distinguish between the different drug administration routes.
		Describe how medication administration protocols are applied to specific patient presentations.	Discuss how medication administration protocols are applied to specific patient presentations.	Explain how medication administration protocols are applied to specific patient presentations.
		Apply policies when medication administration errors occur.	Apply policies when medication administration errors occur.	Apply policies when medication administration errors occur.
		Explain the role of the paramedic in medication administration.	Explain the role of the paramedic in medication administration.	Explain the role of the paramedic in medication administration.

	EMR	PCP	ACP	CCP
5.8.b Follow safe process for responsible medication administration. Continued	N	C	P	P
		Demonstrate how to provide medications using a sequential step method of administration.	Demonstrate how to provide medications using a sequential step method of administration.	Demonstrate how to provide medications using a sequential step method of administration.
		Demonstrate how to prepare a patient for medication administration.	Demonstrate how to prepare a patient for medication administration.	Demonstrate how to prepare a patient for medication administration.
		Demonstrate how to measure the required quantity of medication.	Demonstrate how to measure the required quantity of medication.	Demonstrate how to measure the required quantity of medication.
		Set up the supplies required for the specific route of drug administration.	Set up the supplies required for the specific route of drug administration.	Set up the supplies required for the specific route of drug administration.
		Receive consent before administration of medications.	Receive consent before administration of medications.	Receive consent before administration of medications.
5.8.c Administer medication via subcutaneous route.	N	S	S	S
		Identify medical conditions and indications for subcutaneous administration of a medication.	Evaluate medical conditions and indications for subcutaneous administration of a medication.	Evaluate medical conditions and indications for subcutaneous administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Distinguish those approved drugs that are given via subcutaneous routes.	Distinguish those approved drugs that are given via subcutaneous routes.	Distinguish those approved drugs that are given via subcutaneous routes.
		Evaluate appropriate site for the injection.	Evaluate appropriate site for the injection.	Evaluate appropriate site for the injection.

	EMR	PCP	ACP	CCP
5.8.c Administer medication via subcutaneous route. Continued	N	S	S	S
		Discuss the benefit of medication administration via subcutaneous route in comparison to other routes.	Evaluate the benefit of medication administration via subcutaneous route in comparison to other routes.	Evaluate the benefit of medication administration via subcutaneous route in comparison to other routes.
		Demonstrate how to provide subcutaneous medications using a sequential step method of administration.	Demonstrate how to provide subcutaneous medications using a sequential step method of administration.	Demonstrate how to provide subcutaneous medications using a sequential step method of administration.
		Demonstrate how to prepare a patient for subcutaneous medication administration.	Demonstrate how to prepare a patient for subcutaneous medication administration.	Demonstrate how to prepare a patient for subcutaneous medication administration.
		Demonstrate how to measure the required quantity of medication.	Demonstrate how to measure the required quantity of medication.	Demonstrate how to measure the required quantity of medication.
5.8.d Administer medication via intramuscular route.		S	C	C
		Identify medical conditions, and indications for intramuscular administration of a medication.	Evaluate medical conditions, and indications for intramuscular administration of a medication.	Evaluate medical conditions, and indications for intramuscular administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Distinguish those approved drugs that are given via intramuscular routes.	Distinguish those approved drugs that are given via intramuscular routes.	Distinguish those approved drugs that are given via intramuscular routes.
		Evaluate appropriate site for the injection.	Evaluate appropriate site for the injection.	Evaluate appropriate site for the injection.

	EMR	PCP	ACP	CCP
5.8.d Administer medication via intramuscular route. Continued		S	C	C
		Discuss the benefit of medication administration via intramuscular route in comparison to other routes.	Evaluate the benefit of medication administration via intramuscular route in comparison to other routes.	Evaluate the benefit of medication administration via intramuscular route in comparison to other routes.
		Demonstrate how to provide intramuscular medications using a sequential step method of administration.	Demonstrate how to provide intramuscular medications using a sequential step method of administration.	Demonstrate how to provide intramuscular medications using a sequential step method of administration.
		Demonstrate how to prepare a patient for intramuscular medication administration.	Demonstrate how to prepare a patient for intramuscular medication administration.	Demonstrate how to prepare a patient for intramuscular medication administration.
		Demonstrate how to measure the required quantity of medication.	Demonstrate how to measure the required quantity of medication.	Demonstrate how to measure the required quantity of medication.
5.8.e Administer medication via intravenous route.	N	A	P	P
		Describe medical conditions and patient indications for intravenous administration of a medication.	Evaluate medical conditions and patient indications for intravenous administration of a medication.	Evaluate medical conditions and patient indications for intravenous administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Identify those approved drugs that are given via intravenous routes.	Distinguish those approved drugs that are given via intravenous routes.	Distinguish those approved drugs that are given via intravenous routes.
		Explain the benefit of medication administration via intravenous route in comparison to other routes.	Evaluate the benefit of medication administration via intravenous route in comparison to other routes.	Evaluate the benefit of medication administration via intravenous route in comparison to other routes.

	EMR	PCP	ACP	CCP
5.8.e Administer medication via intravenous route. Continued	N	A	P	P
			Demonstrate how to provide intravenous medications using a sequential step method.	Demonstrate how to provide intravenous medications using a sequential step method.
			Demonstrate how to prepare a patient for intravenous administration of a medication.	Demonstrate how to prepare a patient for intravenous administration of a medication.
			Demonstrate how to measure the required quantity of intravenous medication.	Demonstrate how to measure the required quantity of intravenous medication.
5.8.f Administer medication via intraosseous route.	N	A	S	S
		List medical conditions and patient indications for intraosseous administration of a medication.	List medical conditions and patient indications for intraosseous administration of a medication.	List medical conditions and patient indications for intraosseous administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Identify those approved drugs that are given via intraosseous routes.	Distinguish those approved drugs that are given via intraosseous routes.	Distinguish those approved drugs that are given via intraosseous routes.
		Identify appropriate site for the injection.	Evaluate appropriate site for the injection.	Evaluate appropriate site for the injection.
		Explain the benefit of medication administration via intraosseous route in comparison to other routes.	Evaluate the benefit of medication administration via intraosseous route in comparison to other routes.	Evaluate the benefit of medication administration via intraosseous route in comparison to other routes.
			Demonstrate how to provide intraosseous medications using a sequential step method.	Demonstrate how to provide intraosseous medications using a sequential step method.

	EMR	PCP	ACP	CCP
5.8.f Administer medication via intraosseous route. Continued	N	A	S	S
			Demonstrate how to prepare a patient for intraosseous administration of a medication.	Demonstrate how to prepare a patient for intraosseous administration of a medication.
			Demonstrate how to measure the required quantity of intraosseous medication.	Demonstrate how to measure the required quantity of intraosseous medication.
5.8.g Administer medication via endotracheal route.	N	A	S	S
		List medical conditions and patient indications for endotracheal administration of a medication.	List medical conditions and patient indications for endotracheal administration of a medication.	List medical conditions and patient indications for endotracheal administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Identify the benefit of medication administration via endotracheal route in comparison to other routes.	Evaluate the benefit of medication administration via endotracheal route in comparison to other routes.	Evaluate the benefit of medication administration via endotracheal route in comparison to other routes.
		Identify those approved drugs that are given via endotracheal route.	Distinguish those approved drugs that are given via endotracheal route.	Distinguish those approved drugs that are given via endotracheal route.
		Explain the benefit of medication administration via endotracheal route in comparison to other routes.	Evaluate the benefit of medication administration via endotracheal route in comparison to other routes.	Evaluate the benefit of medication administration via endotracheal route in comparison to other routes.

	EMR	PCP	ACP	CCP
5.8.g Administer medication via endotracheal route. Continued	N	A	S	S
			Demonstrate how to provide endotracheal medications using a sequential step method.	Demonstrate how to provide endotracheal medications using a sequential step method.
			Demonstrate how to prepare a patient for endotracheal administration of a medication.	Demonstrate how to prepare a patient for endotracheal administration of a medication.
			Demonstrate how to measure the required quantity of endotracheal medication.	Demonstrate how to measure the required quantity of endotracheal medication.
5.8.h Administer medication via sublingual route.	N	S	C	C
		Evaluate medical conditions, and indications for sublingual administration of a medication.	Evaluate medical conditions, and indications for sublingual administration of a medication.	Evaluate medical conditions, and indications for sublingual administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Distinguish those approved drugs that are given via sublingual routes.	Distinguish those approved drugs that are given via sublingual routes.	Distinguish those approved drugs that are given via sublingual routes.
		Discuss the benefit of medication administration via sublingual route in comparison to other routes.	Evaluate the benefit of medication administration via sublingual route in comparison to other routes.	Evaluate the benefit of medication administration via sublingual route in comparison to other routes.
		Demonstrate how to provide sublingual medications using a sequential step method of administration.	Demonstrate how to provide sublingual medications using a sequential step method of administration.	Demonstrate how to provide sublingual medications using a sequential step method of administration.

	EMR	PCP	ACP	CCP
5.8.h Administer medication via sublingual route. Continued	N	S	C	C
		Demonstrate how to prepare a patient for sublingual medication administration.	Demonstrate how to prepare a patient for sublingual medication administration.	Demonstrate how to prepare a patient for sublingual medication administration.
		Demonstrate how to measure the required quantity of sublingual medication.	Demonstrate how to measure the required quantity of sublingual medication.	Demonstrate how to measure the required quantity of sublingual medication.
5.8.i Administer medication via the buccal route.	N	S	C	C
		Evaluate medical conditions and indications for buccal administration of a medication.	Evaluate medical conditions and indications for buccal administration of a medication.	Evaluate medical conditions and indications for buccal administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Distinguish those approved drugs that are given via buccal routes.	Distinguish those approved drugs that are given via buccal routes.	Distinguish those approved drugs that are given via buccal routes.
		Discuss the benefit of medication administration via buccal route in comparison to other routes.	Evaluate the benefit of medication administration via buccal route in comparison to other routes.	Evaluate the benefit of medication administration via buccal route in comparison to other routes.
		Demonstrate how to provide buccal medications using a sequential step method of administration.	Demonstrate how to provide buccal medications using a sequential step method of administration.	Demonstrate how to provide buccal medications using a sequential step method of administration.

	EMR	PCP	ACP	CCP
5.8.i Administer medication via the buccal route. Continued	N	S	C	C
		Demonstrate how to prepare a patient for buccal medication administration.	Demonstrate how to prepare a patient for buccal medication administration.	Demonstrate how to prepare a patient for buccal medication administration.
		Demonstrate how to measure the required quantity of buccal medication.	Demonstrate how to measure the required quantity of buccal medication.	Demonstrate how to measure the required quantity of buccal medication.
5.8.j Administer medication via topical route.	N	A	S	S
		Identify medical conditions, and indications for topical administration of a medication.	Evaluate medical conditions, and indications for topical administration of a medication.	Evaluate medical conditions, and indications for topical administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Identify those approved drugs that are given via topical routes.	Distinguish those approved drugs that are given via topical routes.	Distinguish those approved drugs that are given via topical routes.
			Evaluate the rate of absorption of medication administered via topical route in comparison to other routes.	Evaluate the rate of absorption of medication administered via topical route in comparison to other routes.
		Explain the benefit of medication administration via topical route in comparison to other routes.	Evaluate the benefit of medication administration via topical route in comparison to other routes.	Evaluate the benefit of medication administration via topical route in comparison to other routes.
			Demonstrate how to provide topical medications using a sequential step method of administration.	Demonstrate how to provide topical medications using a sequential step method of administration.

	EMR	PCP	ACP	CCP
5.8.j Administer medication via topical route. Continued	N	A	S	S
			Demonstrate how to prepare a patient for topical medication administration.	Demonstrate how to prepare a patient for topical medication administration.
			Demonstrate how to measure the required quantity of topical medication.	Demonstrate how to measure the required quantity of topical medication.
5.8.k Administer medication via oral route.	N	S	C	C
		Evaluate medical conditions and indications for oral administration of a medication.	Evaluate medical conditions and indications for oral administration of a medication.	Evaluate medical conditions and indications for oral administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Distinguish those approved drugs that are given via oral routes.	Distinguish those approved drugs that are given via oral routes.	Distinguish those approved drugs that are given via oral routes.
			Evaluate the rate of absorption of medication administered via oral route in comparison to other routes.	Evaluate the rate of absorption of medication administered via oral route in comparison to other routes.
		Discuss the benefit of medication administration via oral route in comparison to other routes.	Evaluate the benefit of medication administration via oral route in comparison to other routes.	Evaluate the benefit of medication administration via oral route in comparison to other routes.
		Demonstrate how to provide oral medications using a sequential step method.	Demonstrate how to provide oral medications using a sequential step method.	Demonstrate how to provide oral medications using a sequential step method.

	EMR	PCP	ACP	CCP
5.8.k Administer medication via oral route. Continued	N	S	C	C
		Demonstrate how to prepare a patient for oral administration of a medication.	Demonstrate how to prepare a patient for oral administration of a medication.	Demonstrate how to prepare a patient for oral administration of a medication.
		Demonstrate how to measure the required quantity of oral medication.	Demonstrate how to measure the required quantity of oral medication.	Demonstrate how to measure the required quantity of oral medication.
5.8.l Administer medication via rectal route.	N	A	A	A
		List medical conditions and indications for rectal administration of a medication.	List medical conditions and indications for rectal administration of a medication.	List medical conditions and indications for rectal administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Identify those approved drugs that are given via rectal routes.	Distinguish those approved drugs that are given via rectal routes.	Distinguish those approved drugs that are given via rectal routes.
			Evaluate the rate of absorption of medication administered via rectal route in comparison to other routes.	Evaluate the rate of absorption of medication administered via rectal route in comparison to other routes.
			Evaluate the benefit of medication administration via rectal route in comparison to other routes.	Evaluate the benefit of medication administration via rectal route in comparison to other routes.

	EMR	PCP	ACP	CCP
5.8.m Administer medication via inhalation.	N	C	C	C
		Evaluate medical conditions, and indications for inhalation administration of a medication.	Evaluate medical conditions, and indications for inhalation administration of a medication.	Evaluate medical conditions, and indications for inhalation administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Distinguish those approved drugs that are given via inhalation.	Distinguish those approved drugs that are given via inhalation.	Distinguish those approved drugs that are given via inhalation.
		Discuss the benefit of medication administration via inhalation in comparison to other routes.	Evaluate the benefit of medication administration via inhalation in comparison to other routes.	Evaluate the benefit of medication administration via inhalation in comparison to other routes.
		Demonstrate how to provide inhalation medications using a sequential step method.	Demonstrate how to provide inhalation medications using a sequential step method.	Demonstrate how to provide inhalation medications using a sequential step method.
		Demonstrate how to prepare a patient for inhalation administration of a medication.	Demonstrate how to prepare a patient for inhalation administration of a medication.	Demonstrate how to prepare a patient for inhalation administration of a medication.
		Demonstrate how to measure the required quantity of inhalation medication.	Demonstrate how to measure the required quantity of inhalation medication.	Demonstrate how to measure the required quantity of inhalation medication.

	EMR	PCP	ACP	CCP
5.8.n Administer medication via intranasal route.	N	S	S	S
		Evaluate medical conditions, and indications for inhalation administration of a medication.	Evaluate medical conditions, and indications for inhalation administration of a medication.	Evaluate medical conditions, and indications for inhalation administration of a medication.
		Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.	Apply proper calculations for correct medication requirement for the patient presentation.
		Distinguish those approved drugs that are given via intranasal route.	Distinguish those approved drugs that are given via intranasal route.	Distinguish those approved drugs that are given via intranasal route.
		Evaluate the benefit of medication administration via intranasal route in comparison to other routes.	Evaluate the benefit of medication administration via intranasal route in comparison to other routes.	Evaluate the benefit of medication administration via intranasal route in comparison to other routes.
		Demonstrate how to provide medications by intranasal route using a sequential step method.	Demonstrate how to provide medications by intranasal route using a sequential step method.	Demonstrate how to provide medications by intranasal route using a sequential step method.
		Demonstrate how to prepare a patient for administration of a medication via intranasal route.	Demonstrate how to prepare a patient for administration of a medication via intranasal route.	Demonstrate how to prepare a patient for administration of a medication via intranasal route.
		Demonstrate how to measure the required quantity of medication for administration via intranasal route.	Demonstrate how to measure the required quantity of medication for administration via intranasal route.	Demonstrate how to measure the required quantity of medication for administration via intranasal route.

	EMR	PCP	ACP	CCP
5.8.o Provide patient assist according to provincial list of medications.	A	A	A	A
	Identify indications, relative and absolute contraindications, side effects, dosage parameters, and safe administration process for each medication.	Identify indications, relative and absolute contraindications, side effects, dosage parameters, and safe administration process for each medication.	Identify indications, relative and absolute contraindications, side effects, dosage parameters, and safe administration process for each medication.	Identify indications, relative and absolute contraindications, side effects, dosage parameters, and safe administration process for each medication.