Domain of competence DC.4

Apply preventative measures associated with asepsis, health, welfare and safety in the clinical setting

E4.1 Adhere to procedures and operations with respect to ‘Workplace Hazardous Materials Information System’ (WHMIS) and Occupational Health, Safety and Wellness (OHS&W)

P4.1.1 Distinguish categories of hazardous/dangerous substances and materials
P4.1.2 Compare handling and manipulation of hazardous/dangerous substances and materials with respect to WHMIS and OSH&W
P4.1.3 Apply handling and manipulation of hazardous/dangerous substances and materials in a clinical setting as outlined in WHMIS and OSH&W
P4.1.4 Describe the priority and follow-up procedures for injuries occurring in the workplace

E4.2 Adhere to quality control/assurance guidelines

P4.2.1 Explain quality assurance testing and its relationship to safe practice
P4.2.2 Describe the standards rules and regulations relative to quality control
P4.2.3 Perform quality control procedures in according with protocols in a clinical setting

E4.3 Participate in equipment preventative maintenance programs

P4.3.1 Describe a care and maintenance program for equipment utilized in respiratory care, including calibration procedures and operational checks
P4.3.2 Participate in the care and maintenance of equipment in a clinical setting
E4.4 Clean and disinfect equipment

P4.4.1 Define the methods used to clean and disinfect equipment
P4.4.2 Identify the advantages, disadvantages, indications and precautions relative to each method used to clean and disinfect equipment
P4.4.3 Utilize methods to clean and disinfect equipment in a clinical setting

E4.5 Apply infection prevention and control precautions (e.g., isolation management)

P4.5.1 Distinguish techniques utilized for hand washing in particular situations
P4.5.2 Describe the levels of precaution in relation to types of microorganisms and the human host
P4.5.3 Describe the selection and effective use of equipment to prevent infection and apply precautions
P4.5.4 Describe the purpose and indications for culture and sensitivity testing in respiratory care
P4.5.5 Describe the use and function of bacteria filters
P4.5.6 Apply infection prevention and control precaution procedures in a clinical setting

E4.6 Use personal protective equipment

P4.6.1 Distinguish types of protective equipment used in relation to personnel and patient protection
P4.6.2 Distinguish types of protective protocols as related to a particular clinical situation and/or environment
P4.6.3 Apply the required protective protocol in a clinical setting

E4.7 Handle and dispose of biohazardous waste

P4.7.1 Identify common types of biohazardous materials
P4.7.2 Describe the safe management and handling of biohazardous materials, including storage and elimination
P4.7.3 Apply safe handling and disposal of biohazardous materials in a clinical setting

E4.8 Adhere to Canadian Standards Association (CSA) standards for medical equipment

P4.8.1 Explain the role and responsibilities of the CSA with respect to medical equipment and the safety of patients
P4.8.2 Explain general electrical safety guidelines
P4.8.3 Adhere to norms and safety standards when utilizing medical equipment in a clinical setting
E4.9  Adhere to Department of Transportation/Transport Canada regulations for cylinders and medical gases

P4.9.1 Distinguish sizes and formats of medical gases/liquids containers and their respective content
P4.9.2 Discuss the DOT/CTC regulations and required procedures for handling and storage of medical gas/liquid containers
P4.9.3 Explain the risks and dangers associated with the handling of medical gas/liquid containers
P4.9.5 Handle and store medical gas/liquid containers per DOT/CTC regulations in a clinical setting

E4.10  Adhere to institutional/organizational disaster and mass casualty plan

P4.10.1 Describe a standard plan for dealing with a disaster and mass casualty
P4.10.2 Formulate a template for an institutional disaster and mass casualty plan
P4.10.3 Describe the role of a respiratory therapist in an institutional disaster and mass casualty plan