NES: Aseptic Technique - Module Learning Outcomes

Module One - Principles of Aseptic Technique
On completion of the module you should be able to:

- define the term Aseptic Technique
- identify when an Aseptic Technique should be used
- explain why there are variations in Aseptic Technique procedures
- state the potential sources of microbial contamination
- identify non-aseptic steps and how to maintain asepsis

Module 2 - Insertion of a Peripheral Vascular Catheter
On completion of the module you should be able to:

- describe how microorganisms can colonise Peripheral Vascular Catheters (PVCs) and how they can cause catheter related bloodstream infections (CRBSI)
- explain the implications of PVC related bloodstream infections
- describe how to apply an effective Aseptic Technique to insert a PVC
- recognise the key recommendations required to prevent infection when inserting and maintaining a PVC

Module 3 - Taking a Blood Culture Sample
On completion of the module you should be able to:

- describe why blood culture sampling is required
- identify the venepuncture sites that should be avoided to prevent contamination of the culture sample
- describe how to ensure and apply the principles of Aseptic Technique when taking blood culture sample
- state the consequences of blood culture contamination
- explain the importance of documentation following blood culture sampling
- recognise the key recommendations required to prevent infection when taking a sample for blood culture
Module 4 - Inserting an Indwelling Urethral Catheter
On completion of the module you should be able to:

- describe the factors that increase the risk of catheter associated urinary tract infection
- explain how microorganisms invade the urinary system as a result of urinary catheterisation
- describe how to apply an effective Aseptic Technique to insert a urinary catheter
- recognise the key recommendations required to prevent infection when inserting a urinary catheter

Module 5 - Applying Aseptic Technique when carrying out Wound Care
On completion of the module you should be able to:

- explain the importance of performing Aseptic Technique when apply wound dressings
- describe how to apply an effective Aseptic Technique in the hospital and community settings
- recognise the benefits of carrying out Aseptic Technique from the patient's perspective, healthcare team perspective and the NHS in Scotland
- describe the core equipment you would require to perform Aseptic Technique in the hospital and community settings

Module 6 - Long Term Central Vascular Access Devices
On completion of the module you should be able to:

- explain the advantages and disadvantages of CVAD
- demonstrate an understanding of different CVADs
- identify the signs and symptoms of a CVAD infection
- describe how micro-organisms can colonise CVC and how they can cause catheter related bloodstream infections
- state how to apply an Aseptic Technique when managing CVADs

Module 7 - Management of Arteriovenous fistula (AVF)
On completion of the module you should be able to:

- explain the purpose and advantages of AVF
- demonstrate an understanding of formation of an AVF and AVG
- identify the signs and symptoms of localised and systemic infection
- state how to apply an aseptic technique when connecting and disconnecting the AVF from a dialysis machine
- be aware of the Best Practice Statement for the Care of Arteriovenous Fistula and Graft

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