

Bundle care approach

Slide No. 2: Introduction

- A bundle is a set of evidence-based practices that, when performed collectively and reliably, improve patient outcomes.
- Individual elements of bundles are well-established practices, combined in a structured protocol
- Whole clinical team agrees to it and is responsible for the same
- For Example for IV line handling, the local healthcare team selects a set of 5 evidence based interventions to make a bundle, which may be named IV line bundle and strives to implement it consistently and reliably
- Structured 'care bundle' approach has been designed to help healthcare workers consistently deliver the safest possible care for patients undergoing treatments

Slide No. 3: Objectives of this webinar

In this webinar we will learn how to–

- Characteristics of bundle care approach
- how it can be put into practice

Slide No. 4: Key concepts in defining the elements

Let us assume we have to make a bundle for minimising the risk of infection related to the use of invasive procedure. So the clinical team go in following sequence

- Note and record various steps required for the procedure
- There may be one or more ways to perform each individual step
- Search the evidence, and select the 'best' way to perform each step
- Identify 3-5 critical steps amongst the list of all above steps
- Select evidence based intervention for these 3-5 steps
- These interventions will be called as "bundle" for that particular procedure

Slide No. 5: Examples of a bundle care approach

To prevent peripheral intravascular cannula associated infections, the bundle care recommendations may include

- Daily review if the line is necessary. Promptly remove if unnecessary and documentation
- Strict Hand hygiene measures before line handling
- Handling of injection ports- All injection ports or hubs are cleaned with antiseptic solutions before each use. Clean the hub of IV cannula with alcohol, chlorhexidine/alcohol, povidone-iodine solution

- Use of aseptic non-touch technique during procedures. E.g. if the intention is to give IV injection, keep injection tip covered with needle in a sterile tray and avoid its contact with any other place.
- After procedure, close the port and clean the hub again by antiseptics
- Change the dressing if it is wet, soiled, loose.

Slide No. 6: Strategies for Promoting Bundle Care

- Providing education and communication to unit staff regarding bundle care components
- Conducting audits to assess compliance with bundle care components
- Regularly reporting the results back to unit staff
- Team approach to develop and implement bundle interventions. Teams can be created from the pool of health care professional e.g. doctors and nurses; and the guidance can be taken from the other departments e.g microbiology, infection control committee etc

Slide No. 7: Summary

To summarise, in this webinar we have learnt about-

- Bundle care approach can be an effective way of infection prevention
- Careful selection of strategies of bundle care for a focused intervention is the backbone
- Implement 3-5 evidence based interventions for a focused intervention
- Integrate team approach, auditing and regular reporting of results

Thank you