NHS Education for Scotland (NES) Sepsis and ‘Deteriorating Patients’ Educational Resources

Delivering Education for the Frontline

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NHS Education for Scotland
A range of sepsis and the deteriorating patient educational resources
NES Sepsis Educational Resources

• A strategic overview of selected sepsis educational resources
  – NHSScotland National Early Warning Score (NEWS) and Sepsis Screening Tool iOS and Android application
  – Sepsis page on Quality Improvement Hub
  – Webcast: Diagnosis and treatment of sepsis
  – E-Learning modules: aseptic technique
  – Sepsis educational resources summary
**NHSScotland National Early Warning Score (NEWS) & Sepsis Screening Tool**

- A collaboration between the Scottish Patient Safety Programme and NHS Education for Scotland
- A NEWS calculator to alert clinicians to the deteriorating patient and acute illness
- A sepsis screening tool for the prompt recognition and timely initiation of treatment
- An outline of the sepsis 6 bundle for treatment
- An algorithm to help identify organ dysfunction, severe sepsis, septic shock and when to escalate care for the individual patient

App disclaimer: “The NEWS Calculator and Sepsis Screening tool available within this app are derived from current evidence and best practice, however they are intended to be applied alongside sound clinical judgement. NHS Education for Scotland is not responsible or liable for any diagnosis or intervention made by a user based on the calculator/screening tool within this app. Nor is it responsible for any 3rd party advertising or content advised on any of the sites.”
NHSScotland National Early Warning Score (NEWS) & Sepsis Screening Tool

- Information is available on the Knowledge Network
- Available to download from Apple iTunes and Google Play
- App registered with the Medicines and Healthcare Products Regulatory Agency (MHRA)
- Shortlisted for the British Computer Society Health Informatics Award
- iOS application updated to version 1.4

NHSScotland National Early Warning Score (NEWS) & Sepsis Screening Tool

- 2728 iPhone app downloads to end August 2014
- Very early stage feedback
  - 85.7% of surveyed users (n=28) agreed that the app was easy to use
  - 60.7% of surveyed users (n=28) agreed that the app improved their awareness of sepsis screening
- Raise awareness of sepsis
- Use of mobile apps in clinical areas
- Patient and public perceptions of mobile use
Sepsis Sub-Section: Quality Improvement Hub

- The page provides introductory information on sepsis; with links to other resources
- The NHSScotland Quality Improvement Hub is a national collaboration amongst special health boards and the Scottish Government Health Directorates

Webcast: Diagnosis and Treatment of Sepsis

- This webcast explores the diagnosis and treatment of sepsis
- It also provides information on associated issues which may impede successful management
- Recorded May 2013 at a specialist training event for Scottish Antimicrobial Pharmacists
- One hour duration

E-Learning Modules: Aseptic Technique

- This e-Learning programme provides clarity and structure to the application of aseptic technique in the health and care setting
- Developed and launched in 2012
- Available via the learnPro platform
- Comprised of seven modules

E-Learning Modules: Aseptic Technique

- The seven modules
  1. Principles of Aseptic Technique
  2. Insertion of a Peripheral Vascular Catheter
  3. Taking a Blood Culture Sample
  4. Inserting an Indwelling Urethral Catheter
  5. Applying Aseptic Technique when carrying out Wound Care
  6. Taking a Specimen for Microbial Examination
  7. Long Term Central Vascular Access Devices

Further information on sepsis educational resources can be found on the NES website.


Appendix A
Sepsis

- Sepsis is a potentially life threatening condition triggered by an infection
- The body’s immune system goes into overdrive, setting off a series of reactions, including inflammation and blood clotting
- This can lead to a significant decrease in blood pressure, which can mean that the blood supply to vital organs is reduced
- In the UK, it is estimated that over 100,000 people are admitted to hospital with sepsis each year – over 30,000 of these are severe cases
- Reducing the sepsis mortality rate is one of the key priority areas of the Scottish Patient Safety Programme


NES ‘Deteriorating Patients’ Educational Resources

• A strategic overview of selected deteriorating patients educational resources
  – DNA CPR Supporting Training and Revalidation (STAR)
  – Delirium
    ▪ Introduction to delirium
    ▪ Delirium: Prevention, Management and Support
  – Delirium learning application
    ▪ iOS
    ▪ Android
  – Think Capacity Think Consent
  – Deteriorating patients educational resources summary
DNA CPR
Supporting Training Appraisal and Revalidation (STAR)

• Module created to complement the NHSScotland Do Not Attempt Cardiopulmonary Resuscitation Policy
• Online training video
  – Open access on STAR interface
  – Preliminary questions required for viewing
  – STAR account required for certification

NES Delirium Resources

• Range of resources developed in collaboration with colleagues from across NHSScotland

• Introduction to Delirium
  – Provides the baseline knowledge and skills required by all staff working in health and social care settings

• Delirium: Prevention, Management and Support
  – Aims to enhance the knowledge and skills of all health professionals working across all care sectors in the ability to identify, treat, prevent and provide appropriate support to people with delirium and their families and carers

• Available via the learnPro platform

NES Delirium Learning App

- Aims to support staff working in all care sectors to enhance their knowledge and skills in working with people who have delirium
- Complements the delirium learning resources available via learnPro
- iOS (via Apple iTunes)
- Android (via Google Play)

NES Think Capacity Think Consent

- This learning resource provides essential information about the application of Part 5 of the Adults with Incapacity (Scotland) Act 2000 (AWI) to ensure that staff in acute general hospital settings safeguard the rights of people who lack capacity to consent to treatment.
- Resource can be used independently, in a group, or via a facilitated learning session.

NES Support for Patient Safety Priorities: ‘Deteriorating Patients’ Educational Resources Summary

• Further information on ‘deteriorating patients’ will be made available on the NES website.
Appendix B
References – Deteriorating Patients


Appendix C Scottish Patient Safety Programme

• Healthcare Improvement Scotland
• Four programmes
• Additional learning resources on sepsis and deteriorating patients can be found in the Acute Adult subsection

Thank You

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