

This document outlines some NHS Education for Scotland (NES) sepsis educational resources. Other related resources which may be of interest are also presented.

Patient Safety and Clinical Skills: <http://www.nes.scot.nhs.uk/initiatives/patient-safety>

For further information, contact:

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NHS Education for Scotland, Edinburgh, September 2017

(1) NHS Scotland National Early Warning Score (NEWS) and Sepsis Screening Tool

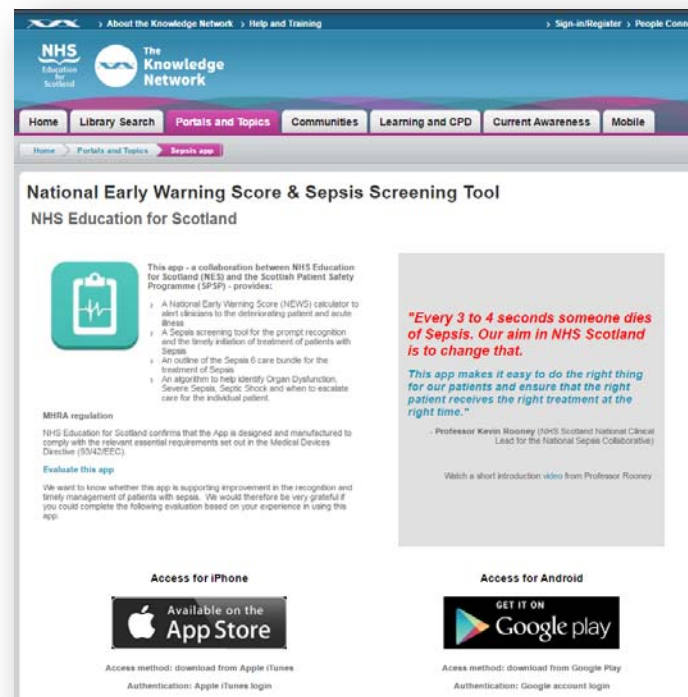
This iPhone and Android app – a collaboration between NHS Education for Scotland and the Scottish Patient Safety Programme – provides:

- A national early warning scoring system to alert clinicians to the deteriorating patient and acute illness.
- A sepsis screening tool for the prompt recognition and timely initiation of treatment.
- The app will have a new release following new criteria and MHRA regulation.

Available at:

<http://www.knowledge.scot.nhs.uk/home/portals-and-topics/sepsis-app.aspx>

Sepsis Educational Resources (v 1.5)



(2) NES Sepsis Interest Group

The (virtual) NES Sepsis Interest Group aims to support a coordinated approach to sepsis education, training and management.

Further information:

Contact Helene.Marshall@nes.scot.nhs.uk

(3) Turas Learn

This page offers introductory information on sepsis, with links to other resources.

Available at:

<https://learn.nes.nhs.scot/1010/patient-safety-zone/patient-safety-priorities/sepsis>



(4) Publication – Sepsis Chapter in ‘Scottish Core Obstetric Teaching and Training in Emergencies’ (SCOTTIE) Course

This course supports maternity staff dealing with obstetric emergencies. All course participants receive a manual which contains a chapter on sepsis. This course is currently being updated.

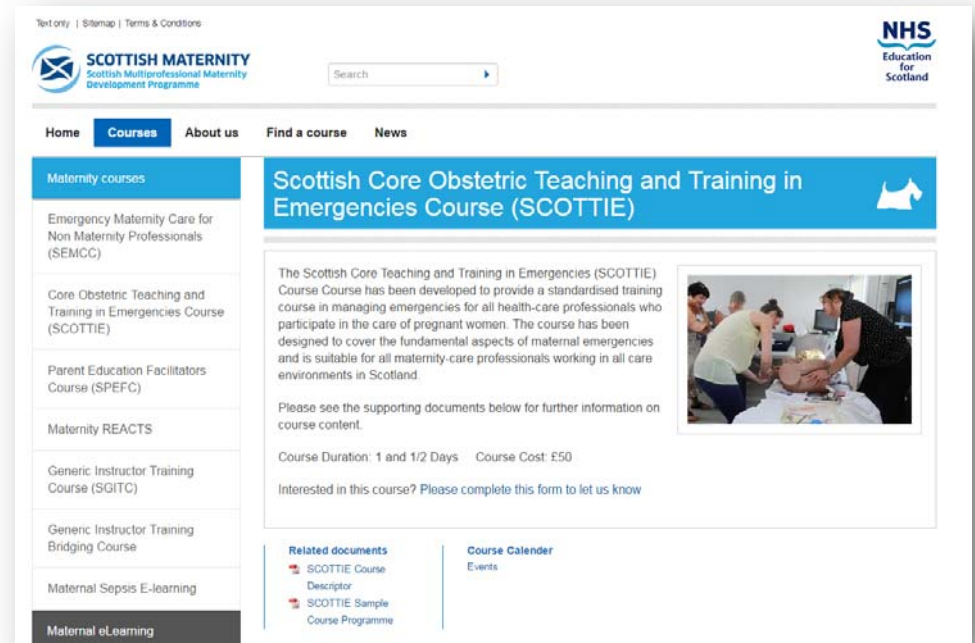
Available at:

<http://www.scottishmaternity.org/scottie.htm>

<http://www.knowledge.scot.nhs.uk/smmdp.aspx>

Further information:

Contact Helene.Marshall@nes.scot.nhs.uk



The screenshot displays the website for the Scottish Maternity Development Programme. The main heading is 'Scottish Core Obstetric Teaching and Training in Emergencies Course (SCOTTIE)'. The page includes a search bar, navigation tabs for Home, Courses, About us, Find a course, and News. A sidebar lists various maternity courses, with SCOTTIE highlighted. The main content area provides a description of the SCOTTIE course, its duration (1 and 1/2 Days), and cost (£50). It also features a 'Related documents' section with links to the SCOTTIE Course Descriptor and Sample Course Programme, and a 'Course Calendar' section for events. An image shows healthcare professionals attending to a patient in a clinical setting.

(5) Publication – Sepsis Chapter in ‘Scottish Maternity Recognition, Evaluation, Assessment, Critical Treatment and Stabilisation (REACTS) High Dependency Unit (HDU)’ Course

This course enhances staff skills and knowledge in the recognition and management of critically ill obstetric women requiring high dependency care. All course participants receive a manual, which contains a chapter on sepsis (currently under review).

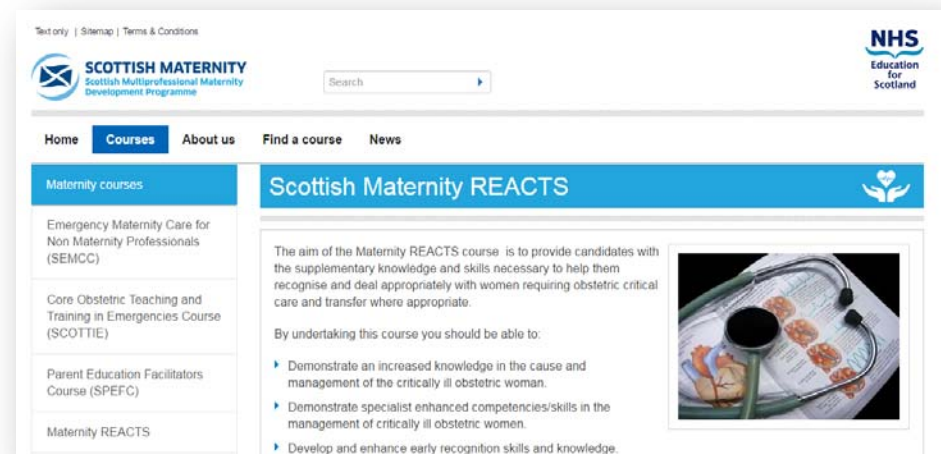
Available at:

<http://www.scottishmaternity.org/scottish-maternity-reacts.htm>

<http://www.knowledge.scot.nhs.uk/smmdp.aspx>

Further information:

Contact Helene.Marshall@nes.scot.nhs.uk



The screenshot shows the website for the Scottish Maternity Development Programme. The header includes the NHS Education for Scotland logo and a search bar. The main navigation menu has links for Home, Courses, About us, Find a course, and News. The 'Courses' menu is expanded, showing a list of maternity courses: Emergency Maternity Care for Non Maternity Professionals (SEMCC), Core Obstetric Teaching and Training in Emergencies Course (SCOTTIE), Parent Education Facilitators Course (SPEFC), and Maternity REACTS. The 'Maternity REACTS' course is selected, and the page content is displayed. The page title is 'Scottish Maternity REACTS'. The main text states: 'The aim of the Maternity REACTS course is to provide candidates with the supplementary knowledge and skills necessary to help them recognise and deal appropriately with women requiring obstetric critical care and transfer where appropriate.' Below this, it says 'By undertaking this course you should be able to:' followed by three bullet points: 'Demonstrate an increased knowledge in the cause and management of the critically ill obstetric woman.', 'Demonstrate specialist enhanced competencies/skills in the management of critically ill obstetric women.', and 'Develop and enhance early recognition skills and knowledge.' An image of a stethoscope and a fetal monitor is shown on the right side of the page.

(6) Maternal Sepsis e-Learning Package

This online package aims to support maternity care practitioners to spot the early warning signs of sepsis and take appropriate action. Simulated real-life scenarios are included to aid learning and teaching. The package is available publicly, but is also available to NHS Scotland Health Boards on the 'learnPro NHS' site.

The resource has been developed by the Scottish multi-Professional Maternity Development Programme (SMMDP) in collaboration with Healthcare Improvement Scotland and NHS Scotland (currently under review).

Available at:

<http://www.knowledge.scot.nhs.uk/scormplayer.aspx?pkgurl=/ecomscormplayer/sepsis/>
<http://www.scottishmaternity.org/maternal-sepsis-e-learning.htm>

Further information:

Contact Helene.Marshall@nes.scot.nhs.uk



Related Resources

<p>(7) Aseptic Technique e-learning Programme</p>	<p>Comprised of seven modules, this programme offers healthcare staff with the knowledge and understanding of aseptic technique, and its importance in preventing infection associated with invasive devices.</p>	<p>Available online: http://ow.ly/UujX303G00k</p> <p>Contact: Sarah.Freeman@nes.scot.nhs.uk</p>
<p>(8) Urinary Catheterisation</p>	<p>Comprised of seven units, this e-learning module aims to support healthcare practitioners who are involved of the delivery of care for patients with urinary catheters (in NHS and non-NHS settings). A workbook that accompanies each of the units is also available.</p>	<p>Available online: http://ow.ly/smnh303G8BC</p> <p>Contact: Lesley.Armstrong@nes.scot.nhs.uk</p>

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<p>(9) Recognising Surgical Site Infection</p>	<p>This resource aims to improve practice in the diagnosis and reporting of Surgical Site Infection (SSI), and to aid understanding of the implications of a SSI on the patient. Available as an online module, a pocket guide and a 'train the trainer' presentation.</p>	<p>Available online: http://ow.ly/zYW7303G9ix</p>
<p>(10) Skin Tears – Prevention, Assessment and Management</p>	<p>This resource is available in video and workbook formats, and aims to support the implementation and best practice on the prevention and management of skin tears in all healthcare settings.</p>	<p>Available online: http://ow.ly/cE1C303GhJD</p>

<p>(11) Promotion of Continence and the Assessment of Bladder Dysfunction in Adults</p>	<p>This e-learning module provides staff working in health and social care with the necessary knowledge of the causes of incontinence and the treatment options available. Practitioners can assist patients to maintain continence, and where possible, avoid the insertion of an indwelling urethral catheter.</p>	<p>Available online: http://ow.ly/ZRvg303G9V2</p>
<p>(12) Prevention and Management of Pressure Ulcers</p>	<p>This e-learning module aims to help health and social care staff to understand pressure ulcers: how they form; how they are treated; and crucially how they can be prevented. This resource is also available as a hard copy reference book.</p>	<p>Available online: http://ow.ly/bRgu303GdXl</p> <p>Contact: Lesley.Armstrong@nes.scot.nhs.uk</p>

Appendix

- 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.
- Symptoms of sepsis may include fever or chills, elevated heart rate, and rapid breathing. Other symptoms can include severe muscle pain, slurred speech, pale or mottled skin, and confusion or disorientation.
- In the UK, it is estimated that there are 150,000 cases of sepsis every year, and over 40,000 of these are severe cases.

BMJ Best Practice (2017). Sepsis in adults. Available at: <http://bestpractice.bmj.com/best-practice/monograph/245.html> [Accessed 21 September 2017].

Rooney, K. (2016). Scottish Patient Safety Programme (SPSP) - statement regarding the new international consensus definition of sepsis. Available at: http://www.scottishpatientsafetyprogramme.scot.nhs.uk/Media/Docs/Acute%20Adult%20Care/Microsoft%20Word%20-%2020160521Sepsispositionstatement%20v0%203%20_2_.pdf [Accessed 8 September 2017].

Singer, M., Deutschman, C. S., Seymour, C. W., Shankar-Hari, M., Annane, D., Bauer, M., Bellomo, R., Bernard, G. R., Chiche, J.-D., Coopersmith, C. M., et al. (2016). The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3). *JAMA* 315, 801–810. Available at: <http://jama.jamanetwork.com/article.aspx?doi=10.1001/jama.2016.0287> [Accessed 26 August 2016].