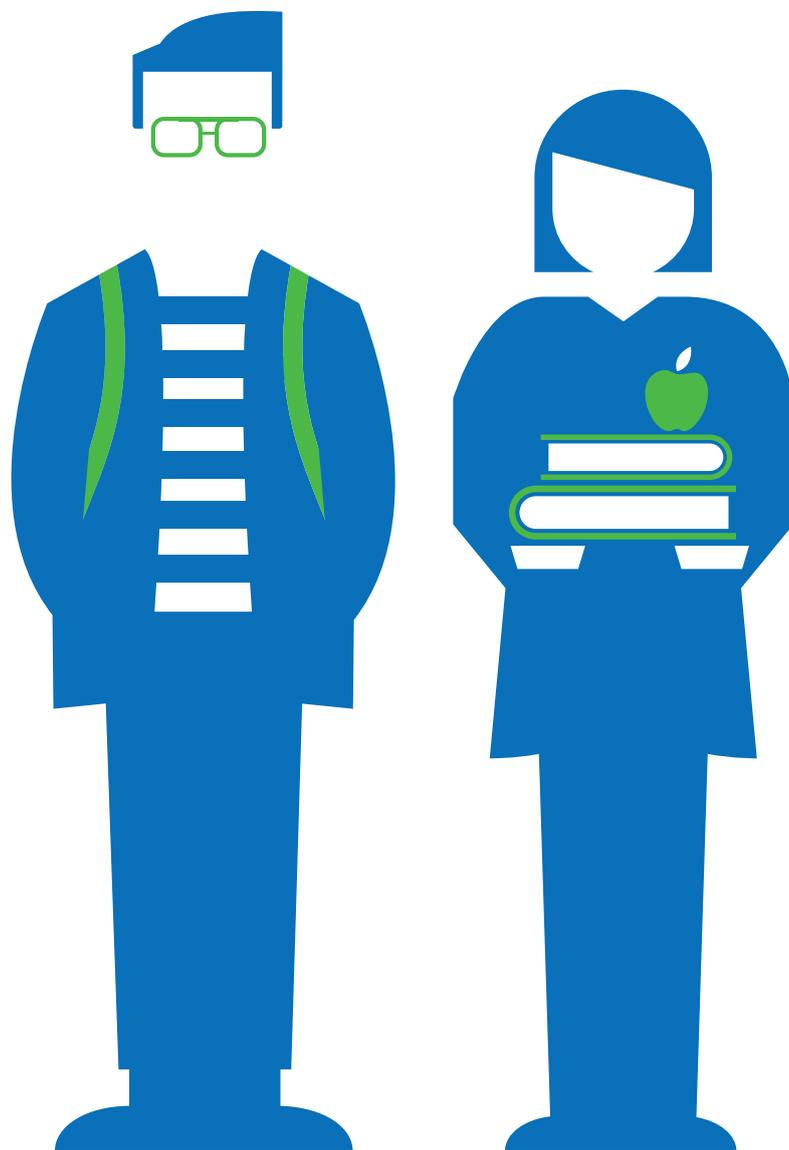


Medical School Collection

A collection of high quality e-learning resources to support students essential training in key competencies and critical areas.



“

“At last, I understand. I have read about spirometer so many times and not understood or retained the information about interpretation. Finally, I’ve got it.”

Module: Spirometry in practice



Supporting students to enhance their knowledge and progress their careers

With more than 500,000 users worldwide, BMJ Learning has worked closely with medical students, junior doctors and practicing healthcare professionals since 2003 to produce high-quality, evidence-based, popular learning resources.

BMJ Learning's Medical School Collection offers e-learning modules that address critical areas for students such as priority clinical conditions, safer prescribing, practical procedures, induction and preparing for life on the wards.

Students can learn using a mixture of 3D animation, audio, images, text and clinical cases, all peer-reviewed and regularly updated to reflect the very latest guidance.

We can provide our Medical School Collection modules as SCORM/XAPI exports to sit on your own Learning Management System (LMS). If you don't currently have a LMS at your organisation we can recommend an experienced supplier who can get you up and running.



“This was an excellent introduction, written at exactly the right level for someone about to start psychiatry on calls.”

Module: Survival guide: Preparing for your first on-call in psychiatry

Ensure your students feel ready to practice

The transition from medical student to practicing doctor can be one of the most challenging periods in a career. Medical students often report feeling that they were not prepared for the step-change in responsibility, workload, degree of multitasking and understanding where to go for help.

BMJ Learning's Medical School Collection enables you to:

- Provide essential training in key competencies to prepare students for delivering high quality care
- Enhance postgraduate performance and subsequent career progression of your students
- Complement your existing content with high quality, evidence based, engaging e-learning modules
- Improve confidence and satisfaction of your students
- Provide your educational materials and resources all in one place.

“Good module for preparation for A+E post. Appreciated the consultant advice for making the most of your post from an educational point of view.”

Module: Things I wish I'd known before starting a job in emergency medicine

Complement your curriculum

Evidence has clearly shown that online learning is effective at improving the applied knowledge of healthcare professionals.^(1,2)

BMJ Learning can support you in delivering high quality online learning so that your students are confident they are providing the best possible care to their patients.

Modules are available across 5 key areas:

- 1 / Induction and preparing for working on the wards**
Provide essential training and practical guidance in key competencies to increase confidence and prepare students for delivering high quality care.
- 2 / Priority Clinical conditions**
Cover recognition, assessment and management of common, high-priority clinical areas which students will be presented with when they start clinical practice.
- 3 / Interpreting tests**
Educate your students using a mixture of 3D animation, audio, images, text and clinical cases with practical tips on how to conduct, interpret and record key tests.
- 4 / Safer prescribing**
Reduce risks and support consistent prescribing with modules offering practical approaches to avoiding errors and working safely and effectively.
- 5 / Examination and practical skills**
Provide 3D animations and images to show how to perform practical procedures, detailing the relevant anatomy and giving practical tips to support learning.

Focus on: Sepsis

Sepsis is a global health problem carrying a high risk of death.⁽³⁾ Worldwide it is estimated that there are as many as 20 million cases of sepsis annually, with a mortality rate of around 35%.⁽⁴⁾

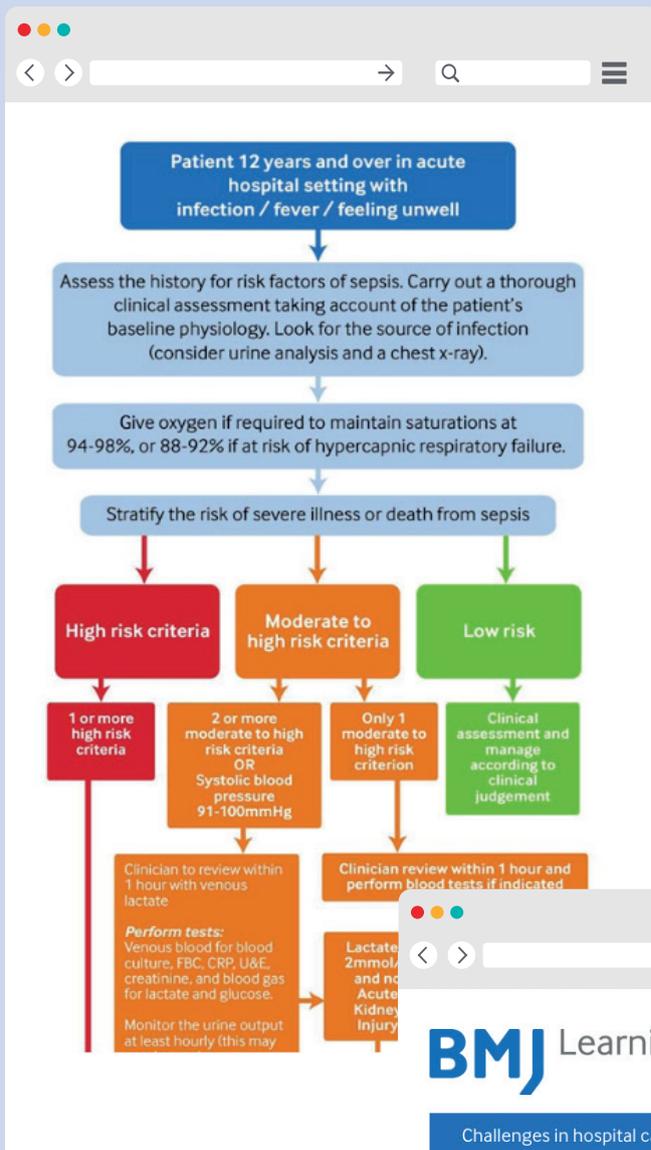
We know that cost-effective interventions save lives⁽⁵⁾ but that only a small proportion of patients receive excellent care.⁽⁶⁾

Our sepsis module enables students to learn about:

- Definitions of sepsis (the Sepsis-3) and varied presentations
- The importance of risk stratification (using the NICE criteria) to identify patients early
- How to investigate sepsis and the significance of the Sepsis Six for adults
- How to manage sepsis and when to escalate
- How the approach to neutropenic sepsis may vary the management
- How pregnancy increases the risk of sepsis and its effect on management.

BMJ Learning can help your students deliver care that shows compliance with the 'Sepsis Six' guidelines which has been shown to reduce the relative risk of death by 46.6%.⁽⁷⁾

The screenshot shows the BMJ Learning website interface. At the top, there is a navigation bar with the BMJ Learning logo, user account options (My Account, Site settings, English, Sign out), and a search bar. Below the navigation bar, a blue header bar displays the course title: "Challenges in hospital care: Sepsis - recognition and management in adults". A "Menu" button is visible on the right side of this header. Below the header, a light blue box contains introductory text: "Work through the patient cases in whatever order you wish, using the fact files to support your learning. You can sit the final assessment test whenever you feel ready by clicking on the final assessment link in the navigation menu." The main content area is divided into two columns. The left column is titled "Case histories" and features two images: "Case 1" is a chest X-ray, and "Case 2" is a photograph of a patient's arm with a medical device and a color-coded chart. The right column is titled "Sepsis: Fact files" and lists several topics: "Defining sepsis", "Epidemiology", "Risk factors", "Presenting symptoms and signs", "Risk stratification", "Sepsis Six", and "Investigating sepsis".



“Excellent module, good cases to work through. Good evidenced based content.”

“A superb, up to date, informative practical review”

“Interactive and comprehensive quick guide to sepsis and management”

Module: Challenges in hospital care: Sepsis - recognition and management in adults

Fact file: Presenting symptoms and signs

Close

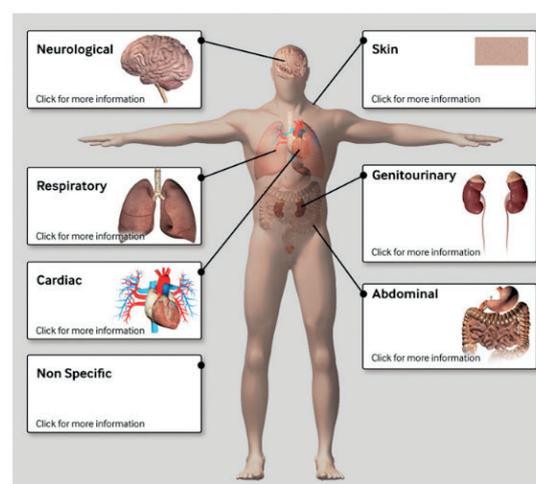
The signs and symptoms of sepsis are extremely variable and often non-specific. [30][95] Sepsis can also mimic other disease processes. Therefore, careful clinical assessment with a thorough history, examination, and investigations can all add weight to the diagnosis. If patients are confused or are unable to give a clear history (eg if English is not their first language) then a collateral history is important. [30]

Because so many cases of sepsis are missed at initial presentation, the 2016 guidance from NICE urges clinicians to consider “Could this be sepsis?” whenever a patient presents with a possible infection. [30]

Common findings for a patient with sepsis include:

- Tachycardia
- Tachypnoea
- Acutely altered mental status
- Fever or hypothermia (temperature less than 36°C)
- Poor capillary refill and mottling of the skin
- Hypotension
- Decreased urine output
- Cyanosis
- Signs and symptoms associated with a specific source of infection (see diagram below).

Figure 5. Signs and symptoms of possible infection sources



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