

Information on using the packages

What is the format of the materials produced?

Reusable learning objects (RLOs) are small, interactive web-based resources focused on helping students achieve specific learning objectives. The RLOs can be used individually or in combination with one another.

How can I use these resources?

These resources are available for you to use free of charge for any non-profit making educational purpose. You can use them, or part of them, in your lectures, or can recommend them to your students to use in their own study time.

Can I have confidence in these materials?

All materials undergo a rigorous multi-step peer review process before release to ensure accuracy and quality of content.

How can I access these resources?

Just link to the URL shown.

You can include the URL as a link on any website, link to it within a PowerPoint presentation, or include it as an address in any handout, information sheet or handbook.

Contact us if you would prefer to have the RLO as an IMS content package

What do I need to run an RLO?

All you need is a standard web-browser with one or more common software plugins. These may well be already loaded onto your PC, but if not you will be prompted to download these plugins free of charge from the Adobe website which will take you through the short download process in a step-wise manner. You will only need to do this once.

Evaluation

Student and tutor evaluation of these RLOs is essential to our work and each RLO has an on-line feedback form. Please encourage students to complete these short forms.

Other resources

RLOs are also available on a wide range of other subjects. You can access these from our web-sites.

www.nottingham.ac.uk/nursing/sonet/rlos

www.rlo-cetl.ac.uk

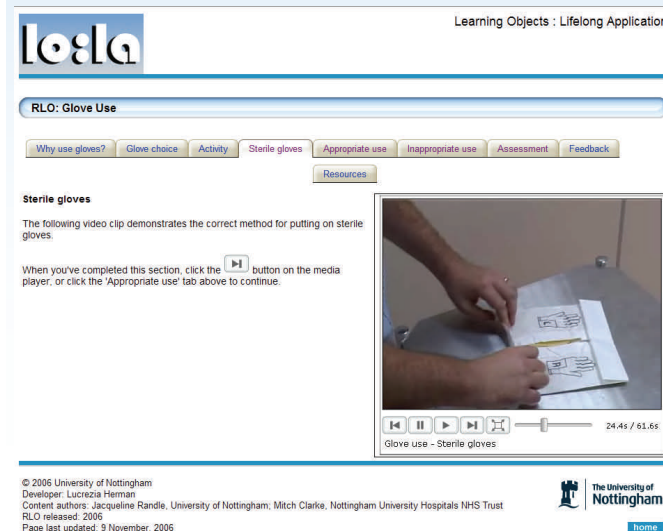
How can I find out more about LOLA?

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© 2006 University of Nottingham
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eduserv foundation



New e-learning resources for Health-care Associated Infections

Do you:

- Teach about HCAs?
- Advise students or clinicians on HCAs?



www.nottingham.ac.uk/nursing/lola/rlos.html



Available Resources:

Hand hygiene

Practical hand hygiene techniques for infection control. Can be accessed via www.nottingham.ac.uk/nursing/sonet/rlos/placs/handwashing/

The inflammatory response

Introduces stages in the inflammatory response.

The screenshot shows the LOLA Learning Objects interface. The title is 'RLO: The Inflammatory Response'. Below the title are navigation tabs: Introduction, Signals 1, Activity, Signals 2, Phagocytosis, Assessment, Feedback, Resources. The 'Activity' tab is selected. The activity content asks the user to find out which of the following body chemicals are inflammatory mediators by dragging each onto the wound. A list of chemicals is shown: adrenaline, albumin, bradykinin, cortisol (with a red 'X' indicating it is not an inflammatory mediator), histamine, leukotriene D4, prostaglandin E2, and renin. A hand with a wound is shown on the right.

Pharmacokinetic and pharmacodynamic influences of aminoglycoside dosing

Examines how the absorption and distribution of aminoglycosides within the body affects the dosing regimens used.

Coming soon!

Bacteria and viruses compared

Introduces and compares the structural components associated with bacteria and viruses by allowing users to "build" their own.

Glove use

Examines appropriate glove use in a variety of clinical scenarios, with a video demonstration of the correct procedure for putting on sterile gloves.

Principles of asepsis

Introduces the concept of aseptic technique, used to prevent infection during clinical procedures; includes video demonstrations.

The screenshot shows the LOLA Learning Objects interface for 'RLO: Pharmacokinetic and Pharmacodynamic Influences of Aminoglycoside Dosing'. The 'Activity 2' tab is selected. The activity content includes text about tubular cells in the renal cortex and active transport mechanisms. A diagram shows tubular cells with active transport mechanisms and extracellular aminoglycoside. A video player is at the bottom with a progress bar at 29:36 / 50:04. The footer includes copyright information for the University of Nottingham and the developer, Lucrezia Harman.

The screenshot shows the LOLA Learning Objects interface for 'Bacteria and Viruses Compared: Structures - Activity'. It features two diagrams: a bacterium and a virus. The bacterium diagram is labeled 'Bacteria' and has a scale bar of '0.5-5 micrometres'. The virus diagram is labeled 'Virus' and has a scale bar of '20-200 nanometres'. Below the diagrams are legends for various components: Outer membrane, RNA strand, Flagellum, Capsule, Prokaryote, Spike proteins, Helical/Icosahedral shape, Ribosomes, Endospores, Capsid, DNA strand, Chromosomes, 20-200 nanometres, Pili, Plasmids, and Cell wall. Text below the diagrams explains the cell wall and pili. The bottom of the screenshot says 'You have successfully built a bacterium and a virus!'.

Volume of distribution (Vd)

Explains the concept of Vd, and how it is calculated.

You can find all of these RLOs at:

www.nottingham.ac.uk/nursing/lola/rlos.html