



VetTeamAMR Learning Platform

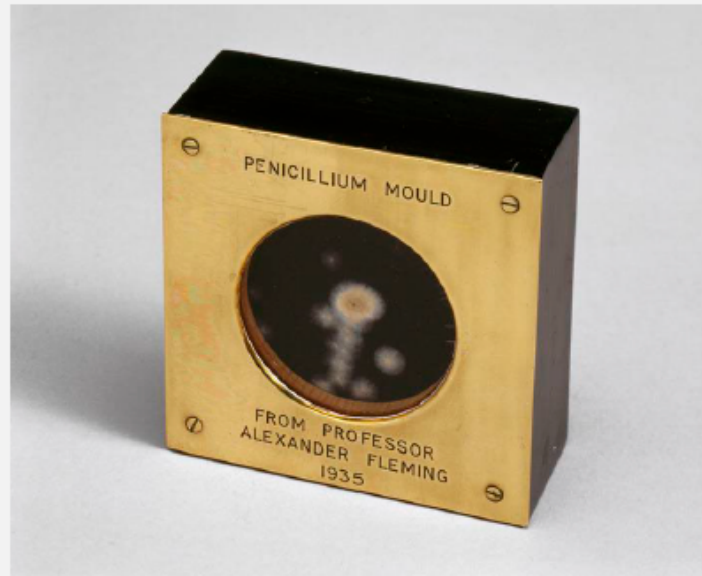
Dr Tim Nuttall

Head of Dermatology

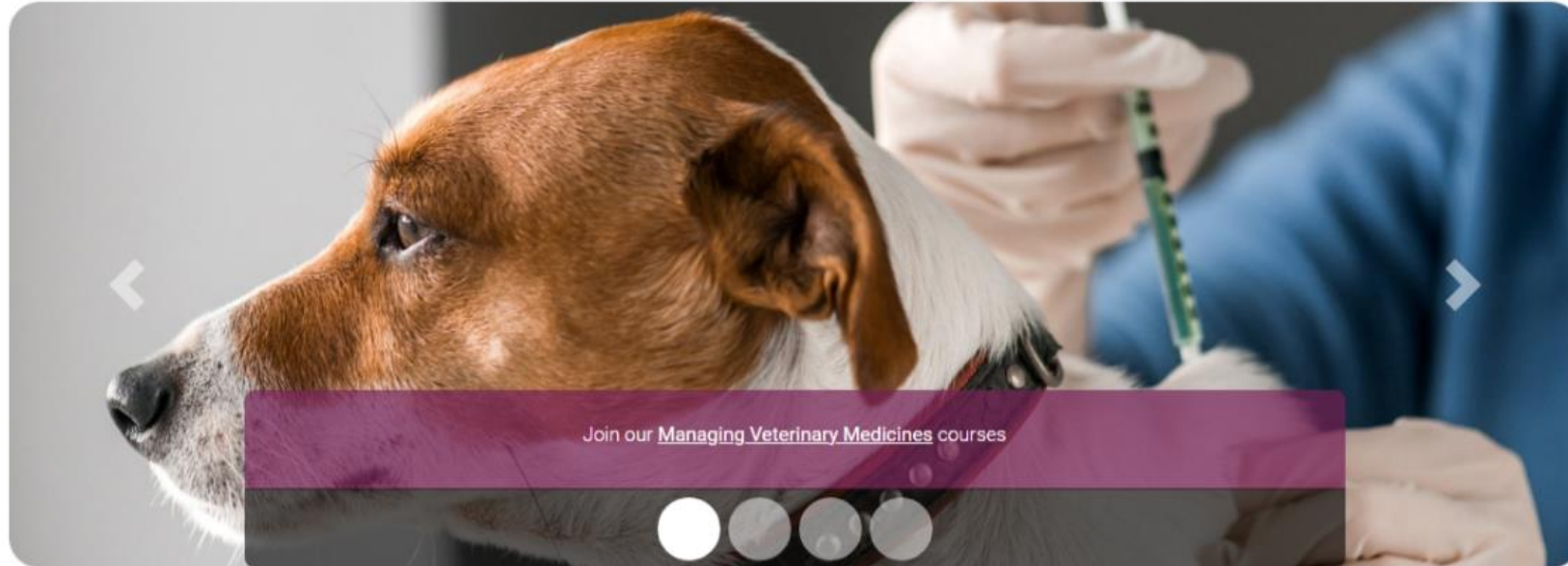
University of Edinburgh Royal (Dick) School of Veterinary Studies

'I would like to sound one note of warning... It is not difficult to make microbes resistant to penicillin in the laboratory by exposing them to concentrations not sufficient to kill them, and the same thing has occasionally happened in the body.'

Sir Alexander Fleming, 1945



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Evidence-based Veterinary Medicine

Using evidence in veterinary
practice



VetTeamAMR

Championing the responsible
use of antimicrobials



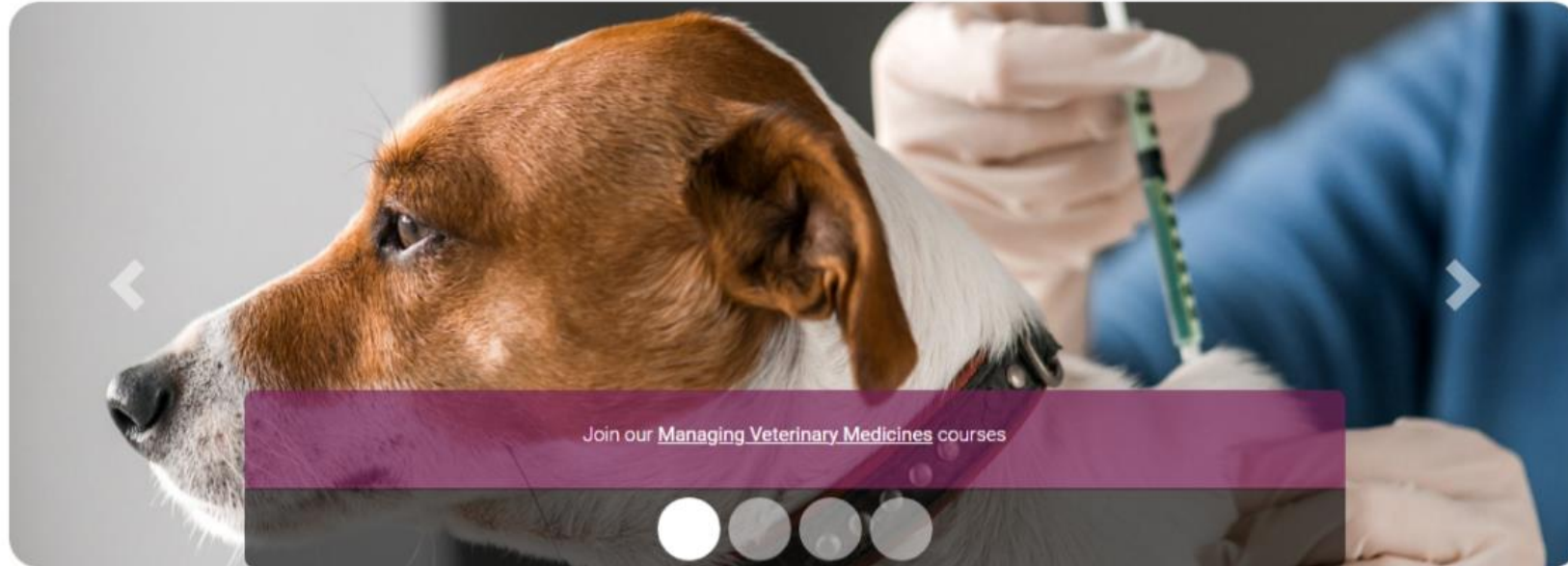
Quality Improvement Boxset

Improving quality in veterinary
practice



Managing Veterinary Medicines

Staying Legal and Promoting
Safety



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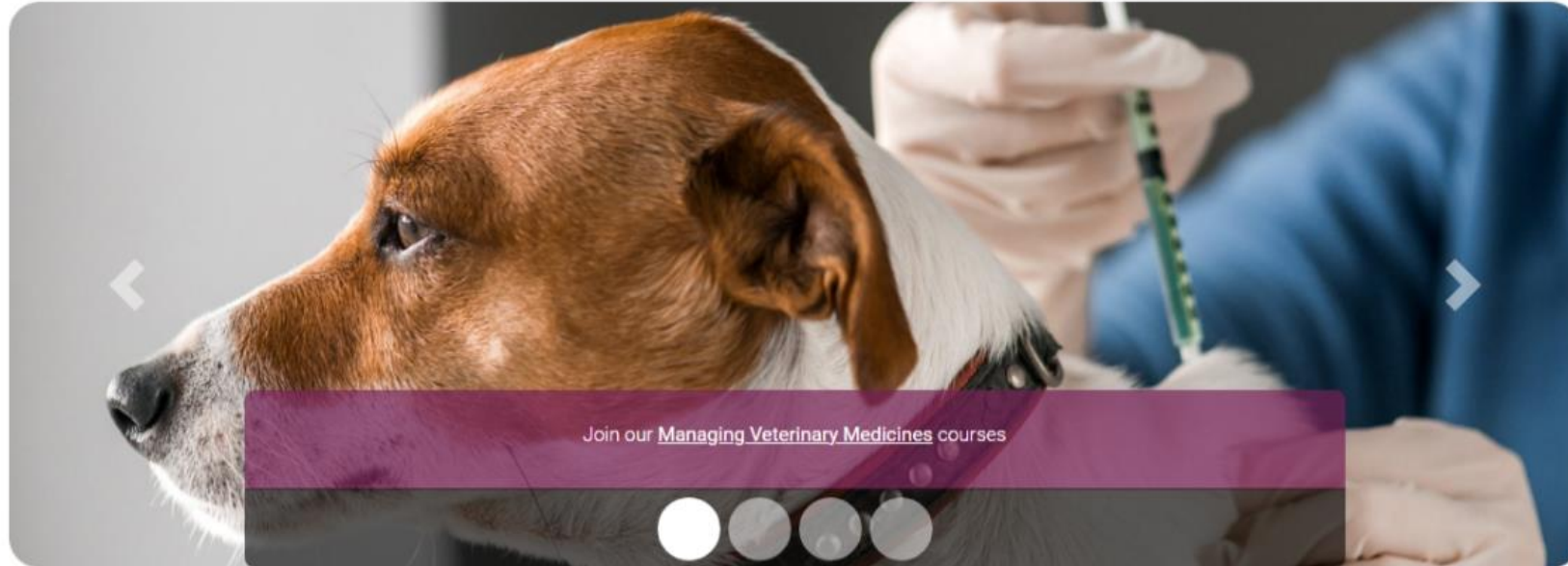
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Quality Improvement Boxset

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practice



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VetTeamAMR

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Welcome to VetTeamAMR

VetTeamAMR is an initiative that champions the responsible use of antimicrobials within companion animal, farm animal, and equine veterinary teams. This major collaborative project, kindly sponsored by the Veterinary Medicines Directorate, brings together a cross-industry consortium to use and create the evidence base to support continuous improvements at the point of care. The project includes the **Antimicrobial Audit Tool** (*Coming soon*) and **VetTeamAMR Education**.

VetTeamAMR Education provides courses and resources to help you instil antimicrobial stewardship among your team. VetTeamAMR Education includes:

- Companion animal and equine learning platform
- Farm Vet Champions learning platform, including the SMART Goals tool

Work through the modules at your own pace, and pick and choose those that are appropriate for your work setting and the animals that you see in practice. From first opinion to referral vets – these resources are for you! Use the quizzes to test your learning and complete the module.

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[For more information](#)

For more information about our AMR work, [visit our website](#).

If you'd like to contact us about these learning materials or would like to suggest a further topic to include, please email ebvm@rcvsknowledge.org.

[Expand all](#)

- ▶ [Farm Vet Champions](#)
- ▶ [Companion Animal and Equine](#)

Welcome to VetTeamAMR

VetTeamAMR is an initiative that champions the responsible use of antimicrobials within companion animal, farm animal, and equine veterinary teams. This major collaborative project, kindly sponsored by the Veterinary Medicines Directorate, brings together a cross-industry consortium to use and create the evidence base to support continuous improvements at the point of care. The project includes the **Antimicrobial Audit Tool** (*Coming soon*) and **VetTeamAMR Education**.

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VetTeamAMR

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AMR Hub



In our AMR Hub, you will find freely accessible, evidence-based knowledge and resources about responsible antimicrobial use, covering antibiotics and anti-parasitics, including anthelmintics. With over 48 hours of CPD, teams can select from the information provided to embed good antimicrobial stewardship in practice.

If you would like to speak with us about our AMR work, or to suggest materials for inclusion on this page, please get in touch at ebvm@rcvsknowledge.org

Latest additions

- [Responsible use of antibiotics in veterinary practice](#) - This RCVS Knowledge collection

AMR

VetTeamAMR

Farm Vet Champions

Plan Prevent Protect

Antibiotic Amnesty Campaign

Farm Vet Champions

Uniting and empowering UK farm animal vets in establishing and embedding good antimicrobial stewardship

FIND OUT MORE



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- ▶ Farm Vet Champions
- ▶ Companion Animal and Equine

VetTeamAMR / Companion Animal and Equine

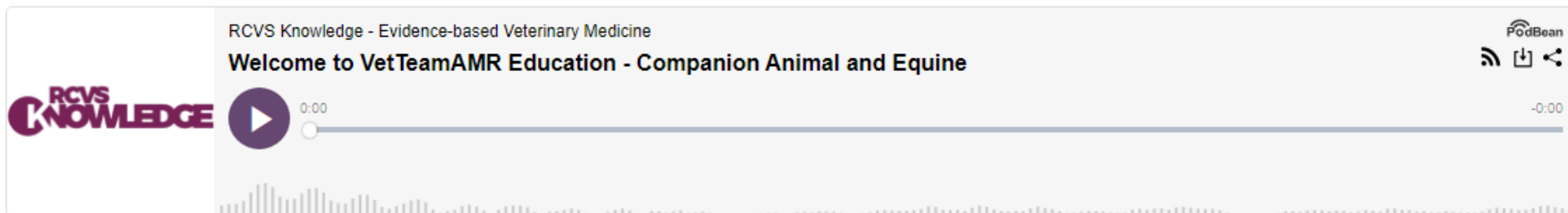
Search courses



Welcome to Companion Animal and Equine

This course is designed to help you refresh your knowledge in areas of antibiotic use in companion animal and equine veterinary medicine and to support you to improve your antimicrobial stewardship.

Listen to our two Clinical Leads, Tim Nuttall and Tim Mair, introduce this learning platform and explain how you can get the most out of it!



You can read the transcript [here](#).

Work through the modules at your own pace, and pick and choose those that are appropriate for your work setting and the animals that you see in practice. From first opinion to referral vets – these resources are for you! Use the quizzes to test your learning and complete the module.

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[For more information](#)



Companion Animal and Equine

Introduction to antimicrobials and antimicrobial resistance

[For more information](#)



Companion Animal and Equine

Communication and behaviour

[For more information](#)



Companion Animal and Equine

Diagnostics

[For more information](#)



Companion Animal and Equine

Surgical prophylaxis and wounds

[For more information](#)



Companion Animal and Equine

Infection control and biosecurity

[For more information](#)



Companion Animal and Equine

Canine and feline

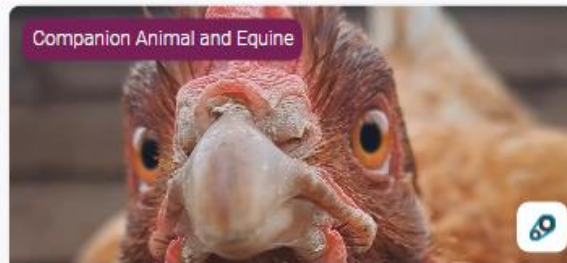
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Companion Animal and Equine

Equine

[For more information](#)



Companion Animal and Equine

Small mammals, avians and exotics

[For more information](#)



Companion Animal and Equine

Useful resources

[For more information](#)



Companion Animal and Equine

Introduction to antimicrobials and antimicrobial resistance

[For more information](#)



Companion Animal and Equine

Communication and behaviour

[For more information](#)



Companion Animal and Equine

Diagnostics

[For more information](#)



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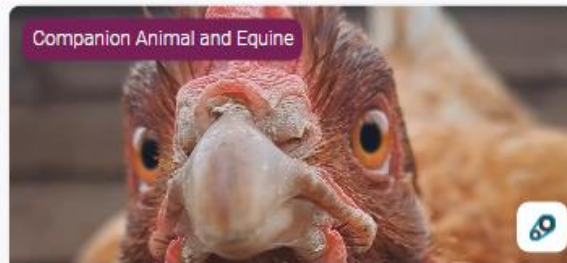
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Companion Animal and Equine

Equine

[For more information](#)



Companion Animal and Equine

Small mammals, avians and exotics

[For more information](#)



Companion Animal and Equine

Useful resources

[For more information](#)



Introduction to antimicrobials and antimicrobial resistance

For more information

Description:

This module includes all the need-to-know facts about the use of antibiotics in practice, from a reminder about what antimicrobial resistance is, to the legal and responsible use of antibiotics, this module will help you follow and create protocols for your medicine usage.

CPD: 3 hours and 20 minutes

Authors: Fraser Broadfoot, Jennifer Dow, Tim Nuttall, Pam Mosedale, Tamsin Dewe

Learning outcomes

- Recognise the main antibiotic-resistant bacteria we are most concerned about in cats, dogs and horses.
- Discuss the links between antibiotic use and resistance in animals and people.
- Understand the UK strategy of categorising and monitoring antibiotic use to tackle resistance.



Communication and behaviour

For more information

Description:

Effective communication with your clients is critical in improving animal safety and antibiotic usage. Communicating is not simply just talking. This module contains a selection of webinars covering a range of communication and behaviour models that you can implement to evaluate your own communication skills and improve your communication with your clients.

CPD: 1 hour 6 minutes

Authors: Tamzin Furtado, Tessa Plagis

Learning outcomes

- Understand the principles behind human behaviour change.
- Discover how to work collaboratively to manage and encourage behaviour change around antibiotic prescribing and use.
- Explain the changing role of veterinarians from product supplier to solution provider.
- Discover how to implement communication and behaviour models to evaluate your communication skills.
- Discover how to improve communication with your colleagues and clients around antibiotic prescribing and use.



Diagnostics

For more information

Description:

This module covers the essentials you need to know about the diagnostic techniques used to ensure the most appropriate antibiotics are prescribed. Follow the journey of your sample through the lab, or upskill your microscopy to cultivate your in-house laboratory yield.

CPD: 1 hour 46 minutes

Authors: Tim Nuttall, Dr. Dorina Timofte

Learning outcomes

- Understand different cytology techniques.
- Explain how to prepare a cytology sample for in-house examination.
- Discuss how to interpret cytology samples.
- Explain what happens to a sample when it reaches the laboratory.
- Demonstrate how to set up your microscope.



Companion Animal and Equine

Introduction to antimicrobials and antimicrobial resistance

[For more information](#)



Companion Animal and Equine

Communication and behaviour

[For more information](#)



Companion Animal and Equine

Diagnostics

[For more information](#)



Companion Animal and Equine

Surgical prophylaxis and wounds

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Companion Animal and Equine

Infection control and biosecurity

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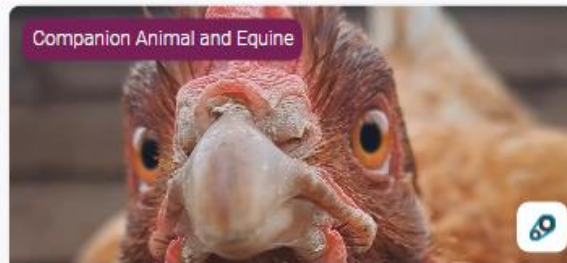
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Companion Animal and Equine

Equine

[For more information](#)



Companion Animal and Equine

Small mammals, avians and exotics

[For more information](#)



Companion Animal and Equine

Useful resources

[For more information](#)

Welcome to the Introduction to antimicrobial resistance and medicines module.

This module includes all the need-to-know facts about the use of antibiotics in practice. From a reminder about what antimicrobial resistance is to the legal and responsible use of antibiotics, this module will help you follow and create protocols for your medicine usage.

[▶ Expand all](#)

How to complete this module

To complete this module and receive your module badge, you will need to:

- Complete the Introduction to antimicrobial resistance (AMR) topic:
 - Watch the video webinar 'Introduction to antimicrobials and antimicrobial resistance' (CPD: 33 minutes)
 - Listen to the podcast 'The Knowledge Sessions: Antimicrobial resistance' (CPD: 50 minutes)
 - Complete the end of topic quiz
- Complete the Antimicrobial resistance and One Health topic:
 - Watch the four video webinars
 - 'Links between antibiotic usage and resistance in animals and people' (CPD: 32 minutes)
 - 'Antibiotic resistance of concern in small animals and horses' (CPD: 14 minutes)
 - 'Introduction to antibiotic tiers' (CPD: 20 minutes)
 - 'Risk categorisation of antibiotics' (CPD: 20 minutes)
 - Complete the end of topic quiz
- Complete The strategic landscape topic:
 - Watch the two video webinars
 - 'The strategic landscape' (CPD: 15 minutes)
 - 'Antibiotic sales and use monitoring in dogs, cats, and horses' (CPD: 18 minutes)
 - Complete the end of topic quiz
- Complete the AMR in the RCVS Practice Standards Scheme topic:
 - Watch the video webinar 'AMR in the RCVS Practice Standards Scheme' (CPD: 18 minutes)
 - Complete the end of topic quiz

You can also download and listen to the audio files, download the presentation slides, and read the transcripts for each webinar in the 'other formats' section to help you access this learning material in the way that suits you best. You can turn the captions on and off by clicking the "CC" icon at the bottom of each video to assist you in accessing this learning material.

Learning outcomes

On completion of this module, you will be able to:

- Recognise the main antibiotic-resistant bacteria we are most concerned about.
- Discuss the links between antibiotic use and resistance in animals and people.
- Understand the UK's strategy of categorising and monitoring antibiotic use to tackle resistance.

▶ Introduction to antimicrobial resistance (AMR)

▶ Antimicrobial resistance and One Health

▶ The strategic landscape

▶ AMR in the RCVS Practice Standards Scheme

▶ Feedback

▶ Next steps

▶ Other formats

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▶ Feedback

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▶ Other formats

Introduction to antimicrobial resistance (AMR)



VIDEO TIME

Introduction to antimicrobials and antimicrobial resistance

To do: Finish watching 75 percent

In this webinar, Dr. Tim Nuttall, Head of Dermatology at the University of Edinburgh (Dick) School of Veterinary Studies, introduces the concepts around antimicrobials, antimicrobial resistance, and antimicrobial stewardship. **CPD: 33 minutes.**



PAGE

References - Introduction to antimicrobials and antimicrobial resistance



PAGE

Podcast - The Knowledge Sessions: Antimicrobial Resistance

Mark as done

UK Chief Vet Christine Middlemiss chairs a roundtable discussion on challenges presented by antimicrobial resistance and ways to tackle it, with guests Ian Battersby (Davies Veterinary Specialists/Mission Rabies), Steve Howard (PDSA), Kristen Reyher (Bristol Veterinary School) and David Singleton (Small Animal Veterinary Surveillance Network).

This podcast is the first of 'The Knowledge Sessions', a series of discussions with leading experts on hot topics in evidence-based veterinary medicine. **CPD: 50 minutes**

Once you have finished listening, mark this section as done.



H5P

End of topic quiz: Introduction to AMR

✓ Done: Complete the activity

Complete this quiz to test your learning and finish this topic.

✓ Done: Complete the activity

Complete this quiz to test your learning and finish this topic.

End of topic quiz: Introduction to AMR

Why are penicillins ineffective for *Mycoplasma spp* infections?

- Penicillins can't penetrate *Mycoplasma spp* cell walls
- Mycoplasma spp* commonly produce beta-lactamase enzymes
- Mycoplasma spp* are inherently resistant as they lack a cell wall
- Mycoplasma spp* commonly acquired plasmid mediated resistance genes

✓ Check



Previous activity

Next activity

Podcast - The Knowledge Sessions:
Antimicrobial Resistance

Jump to...

Links between antibiotic usage and resistance
in animals and people

✓ Done: Complete the activity

Complete this quiz to test your learning and finish this topic.

End of topic quiz: Introduction to AMR

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▶ Introduction to antimicrobial resistance (AMR)

▶ Antimicrobial resistance and One Health

▶ The strategic landscape

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▶ Antimicrobial resistance and One Health

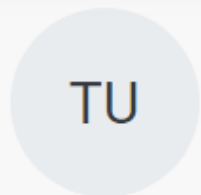
▶ The strategic landscape

▶ AMR in the RCVS Practice Standards Scheme

▶ Feedback

▶ Next steps

▶ Other formats



Test User4

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My certificates

These are the certificates you have been issued by either email or downloading manually.

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Name	Course	Awarded on	Code	File
Certificate	EBVM for Practitioners	Monday, 28 February 2022, 7:58 AM	QN9zBIDADs	
Certificate	EBVM Learning	Monday, 7 February 2022, 9:26 AM	ul4jwa1Fcz	

Introduction to antimicrobials and antimicrobial resistance

Course badges

Image	Name [▲]	Description	Criteria	Issued to me [▲] _▼
	Introduction to antimicrobials and antimicrobial resistance completed!	This badge is awarded when the 'Introduction to antimicrobials and antimicrobial resistance' module is completed.	<p>Introduction to antimicrobials and antimicrobial resistance has been completed.</p> <ul style="list-style-type: none">Users must complete the course "Introduction to antimicrobials and antimicrobial resistance"	

[See all your badges](#)

Companion Animal and Equine - Outline

Companion Animal Vet Champions (CAVCs) and
Equine Vet Champions (EVCs)

Antimicrobial Audit

1. Provide an auditing tool, available nationally, for antimicrobial use in companion animal and equine practice
2. Provide a means for establishing benchmarks for antimicrobial auditing for companion animal and equine practice

Education

3. To provide a one-stop-shop for training on antimicrobial stewardship for companion animal and equine veterinary teams
4. To establish the network of Companion Animal Veterinary Team Champions and Equine Veterinary Team Champions, to share lessons and encourage others to take part