EBVM Learning II: Updating an Open-Access Evidence-Based Veterinary Medicine Online Tutorial

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Overview

- History and context of EBVM

- EBVM Learning

- EBVM Learning revision

- Next step: EBVM for Practitioners

Brief history

2003 Handbook of Evidence Based Veterinary Medicine published

2004 Evidence-Based Veterinary Medicine Association (EBVMA), United States founded

2009 Centre for Evidence-based Veterinary Medicine (CEVM), University of Nottingham
      VetSRev (database) & Best Bets For Vets

2013 RCVS Knowledge engaged the veterinary profession in the UK

2013 CEVM holds workshop for those teaching EBVM at UK veterinary schools

2014 First EBVM Network Conference

2015 EBVM Learning Consortium founded
      January: EBVM Learning funding request   **November:** public release of EBVMLearning.org

2016 Inaugural issue of Veterinary Evidence (Open Access journal). Includes Knowledge Summaries

2019 EBVM Manifesto (Open Access: Veterinary Record. 2020. 187:174-177. DOI: 10.1136/vr.m3409)

2019 EBVM Learning Phase II funded. **2020** Global pandemic. **2021** February: public release of revision

Five steps of EBVM
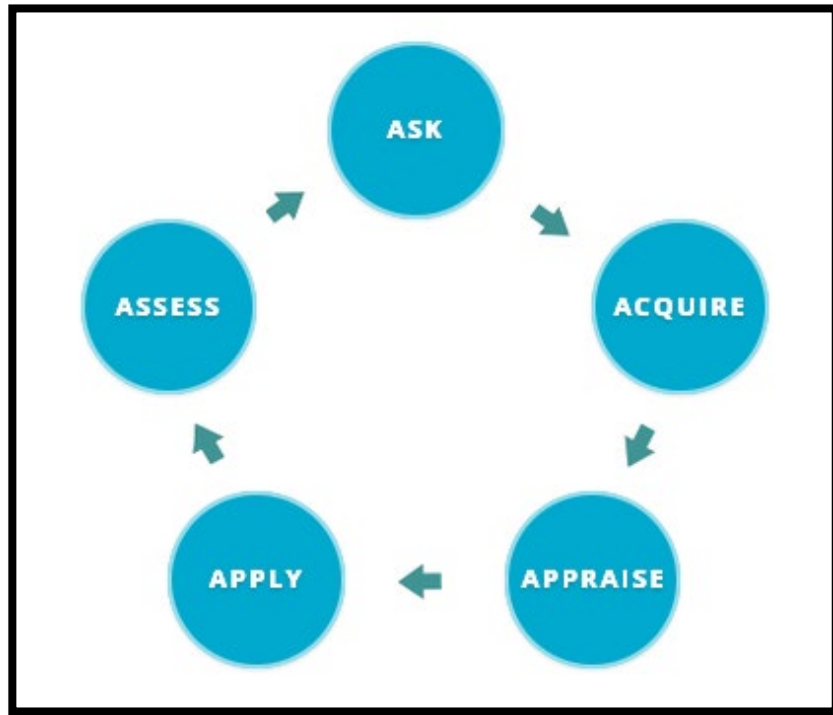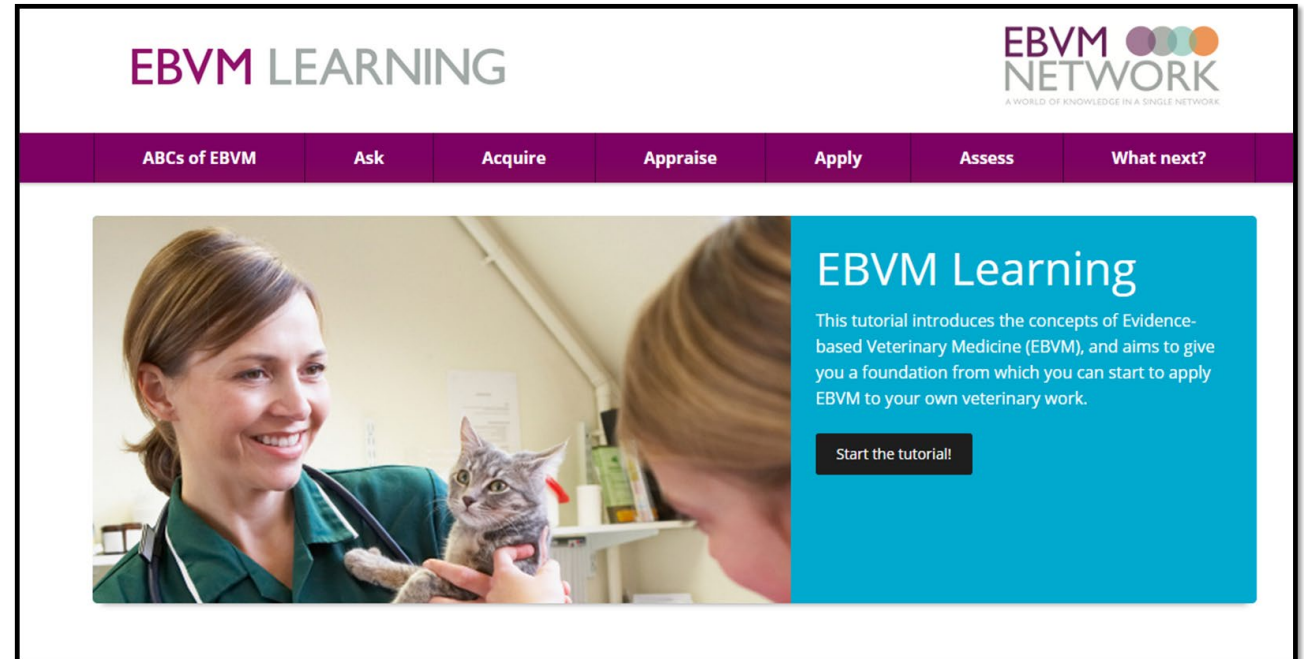
1. Ask a specific question
2. Acquire the evidence
3. Appraise the quality
4. Apply to practice
5. Assess the clinical outcomes

Image: "ABCs of EBVM" step of EBVMLearning.org

What does EBVM Learning do?

- Provides open access learning

- Aligns with existing resources

- Builds a community of practice

EBVM Learning I

- Chapter structure: overview and each of the five steps

- Each chapter
  - has learning objectives and an interactive table of contents.
  - begins with a brief overview and ends with a summary.
  - ends with a quiz

Use Statistics

	Original edition 2017	Original edition 2018	Original edition 2019		Revised edition 2021 February to April
Users	4943	8,828	7,700		2,653
Sessions	4905	14,133	15,868		3,852
Page views	44,262	87,452	91,610		23,556

User Feedback Study

Feedback gathered

- Website statistics

- Website feedback forms

- Survey

- Semi-structured interviews

User Feedback Study: Results

Results were both qualitative and quantitative data

Feedback form and survey indicated

- Well structured

- Appropriate level and amount of content

- Useful examples and quizzes

- Majority would use it again

- Used in a variety of ways education

Promoting Evidence-based Veterinary Medicine through the online resource 'EBVM Learning': User feedback. Veterinary Evidence, 2021, 6(1). https://doi.org/10.18849/ve.v6i1.392

User Feedback: Librarians

- Previous work cited librarians as an underutilized resource.

  Shurtz, S., Fajt, V., Heyns, E.P., Norton, H.F. & Weingart, S. (2017). Teaching Evidence-Based Veterinary Medicine in the US and Canada.Journal of Veterinary Medical Education. 44(4), 660–668. DOI:10.3138/jvme.1215-199R

- Our data suggests "librarians have a vital role in dissemination of the resource [EBVM Learning] and are often involved in teaching, particularly the EBVM steps Ask and Acquire. Recent initiatives, such as greater access to databases, journal articles and training from RCVS Knowledge Library and staff, have the potential to provide invaluable assistance to practitioners wanting to engage more with EBVM."

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Revision

EBVM Learning Team

- Increased number of participants, institutions, and countries
- Retained team structure: project management team and author teams
- Remote work in teams, all together for daylong workshop, finish remotely

Revisions and Enhancements

- Increase interactivity
- Condense length where possible
- Add progress tracking, completion certificate
- Add continuing professional development / continuing education credit

University Teaching Example
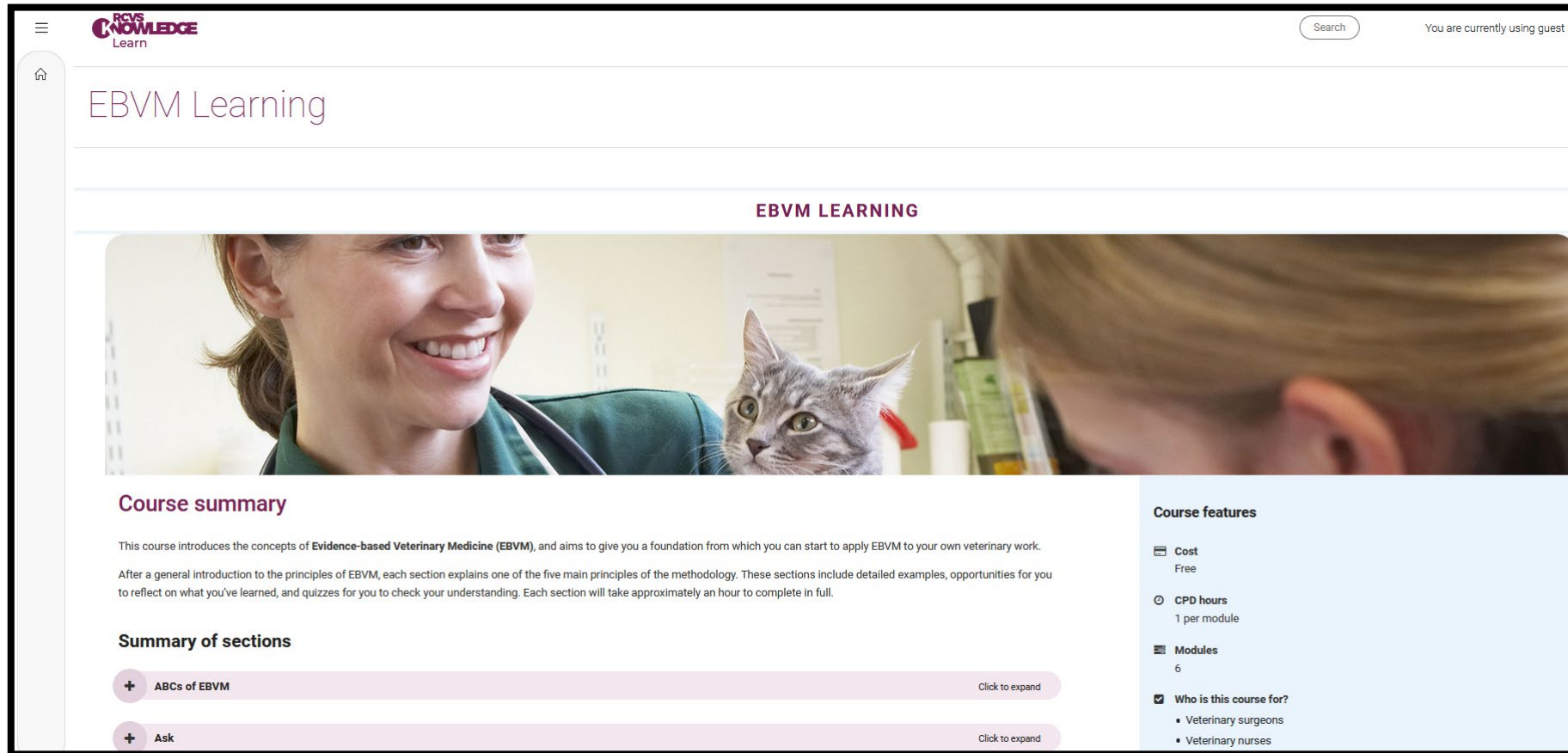
University of Edinburgh
- Tutorial forms basis of the online course "Evidence based Veterinary Medicine in Clinical Practice"
- Students in degree are also in workforce
- Librarian is tutor for the week, "Searching the literature and refining the question"
- Course assignment is Knowledge Summary suitable for submission to publication
- Librarian grades search strategies in Knowledge Summary

University of Edinburgh and University of Bristol
- Both universities have courses with the product being Knowledge Summaries suitable for submission for publication
- Some Knowledge summaries from each university have been published
- Contributes to growing the evidence base

EBVM Learning, revised edition
Public release February 2021

Next Step

User survey identified that one resource could not meet all needs.

Decision to pursue additional funding to create a separate resource for veterinary clinicians in practice.

Funding was secured for EBVM Learning Phase III

EBVM Learning III

EBVM Learning II workshop generated ideas for the practitioner resource

- Very short and focused
- Summarise academic knowledge underpinning the 5 step EBVM process
- Link to existing resources, including EBVM Learning, for deeper detail
- Provide practical guides for use in practice
  Examples: clinical audits, guidelines, and journal clubs

EBVM Learning III

- Small editorial team
- Regular feedback from veterinary practitioners and librarians about each section ensures content is relevant and applicable

Thank you for your interest
Happy to answer questions via email and at the live Q&A

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