

# Vet Record

The first choice journal for vets

[vetrecord.bvapublications.com](http://vetrecord.bvapublications.com)

*Veterinary Record* (branded as *Vet Record*) is an official journal of the British Veterinary Association (BVA). Owned by BVA, it was founded by William Hunting FRCVS in 1888 and has been proud to serve the veterinary profession ever since.

This journal's mission is to deliver high quality, relevant and engaging research, news and debate to help vets develop as professionals, progress their careers and improve animal health and welfare.

*Vet Record* is published by BMJ Publishing Group Ltd (BMJ), a wholly owned subsidiary of the British Medical Association (BMA), on behalf of BVA.

BVA grants editorial freedom to the editor of *Vet Record*. The views expressed in the journal are those of the authors and may not necessarily comply with BVA policy. All content in *Vet Record* is produced and published independently of any commercial or outside influence.

*Vet Record* follows guidelines on editorial independence produced by the World Association of Medical Editors and the code on good publication practice of the Committee on Publication Ethics.

*Vet Record* is intended for veterinary professionals and is provided without warranty, express or implied. Statements in the journal are the responsibility of their authors and advertisers and not authors' institutions, BMJ, BVA or the BMA unless otherwise specified or determined by law. Acceptance of advertising does not imply endorsement.

To the fullest extent permitted by law, *BMJ* and BVA shall not be liable for any loss, injury or damage resulting from the use of *Vet Record* or any information in it whether based on contract, tort, or otherwise. Readers are strongly advised to verify any information they choose to rely on.

Copyright © 2020 British Veterinary Association. All rights reserved; no part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise without prior permission.

*Vet Record* (ISSN: 0042-4900) is published fortnightly by *BMJ* Publishing Group Ltd. Airfreight and mailing in the USA by agent named Worldnet Shipping Inc, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. Periodicals postage paid at Jamaica NY 11431. US Postmaster: Send address changes to *Veterinary Record*, Worldnet Shipping Inc, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. Subscription records are maintained at *BMJ* Publishing Group Ltd, BMA House, Tavistock Square, London WC1H 9JR, UK. Air Business Ltd is acting as our mailing agent. *Vet Record* is typeset by Exeter Premedia Services and printed in the UK on acid-free paper from sustainable forests by Warners Midlands Plc, Bourne, UK.

British Veterinary Association  
7 Mansfield Street,  
London W1G 9NQ

## BVA officers

**President** James Russell  
**Senior vice president** Daniella Dos Santos  
**Junior vice president** Justine Shotton



Vet Record is published fortnightly in print and also as an e-book. Additional and supplementary content is also published online. Where stories are updated online, articles will differ from the print and e-book versions.

## EDITORIAL TEAM

**Group editor** Adele Waters  
**Managing editor** Suzanne Jarvis  
**Production manager** Georgina Mills  
**Senior news reporter** Josh Loeb  
**Surveillance editor** Kathryn Clark  
**Associate editor** Laura Honey  
**Assistant editors** Emma Boxer, Arabella Gray, Gill Harris

**BMJ**, BMA House, Tavistock Square, London WC1H 9JR

**General editorial inquiries**, E: [vet.editorial@bmj.com](mailto:vet.editorial@bmj.com), T: +44 (0) 20 3655 5031

Further information about our sister journals, *In Practice*, *Vet Record Case Reports* and *Vet Record Open*, can be found at: [www.bva.co.uk/journals](http://www.bva.co.uk/journals)

## Subscriptions (annual)

BVA members receive *Vet Record* as a benefit of membership.  
For non-members, costs of subscriptions are: Print and online: £507; Online only: £416  
For details of US\$, euro and institutional subscription rates, please visit our website at [vetrecord.bvapublications.com/pages/subscribe](http://vetrecord.bvapublications.com/pages/subscribe).  
For subscription requests contact our customer services team at address above or call +44 (0) 20 7383 6270 or email: [support@bmj.com](mailto:support@bmj.com)

## Advertising

**Classified advertisements:** contact *Vet Record* Careers  
Caroline Coppin T: +44 (0) 20 3655 5107 E: [vetrecordjobs@bmj.com](mailto:vetrecordjobs@bmj.com)

**Display advertisements:** Kevan Bowen, T: +44 (0) 7768 880410 E: [kbowen@bmj.com](mailto:kbowen@bmj.com)

## RESEARCH TEAM

### Editorial Board

**Chief veterinary adviser** Alexander Trees, House of Lords  
**Senior clinical research editor** Tom McNeilly, Moredun Research Institute, Midlothian  
**Clinical research editor** Alastair MacMillan, University of Surrey  
Stephen Baines, Willows Veterinary Centre and Referral Service, Birmingham  
Valentina Busin, University of Glasgow  
Julie Fitzpatrick, Moredun Research Institute, Midlothian  
Daniëlle Gunn-Moore, University of Edinburgh  
John Innes, CVS, Cheshire  
Richard Martin, Iowa State University  
Chris Oura, University of the West Indies  
Susan Rhind, University of Edinburgh  
Randolph Richards, University of Stirling  
Kenny Simpson, Cornell University, New York  
Polly Taylor, Taylor Monroe, Cambridgeshire

### Associate clinical editors

David Aggett, Somerset, UK  
Melinda Bell, Murdoch University  
Kate Cobb, University of Nottingham  
Richard Drummond, Laurieston Consulting, Surrey  
Mark Dunning, University of Nottingham  
Joao Felipe Galvao, VCA Arboretum View Animal Hospital, Illinois  
Tim Greet, Rosssdales Equine Hospital, Suffolk  
Pauline Jamieson, VetsNow, Glasgow  
Amy Jennings, University of Edinburgh  
Kevin McPeake, University of Lincoln  
Richard Meeson, Royal Veterinary College, London  
Kinley Smith, Willows Veterinary Centre and Referral Centre, Solihull  
Himara Van Haevermaet, University of Lincoln

**Client editor** Zoe Belshaw, The People's Dispensary for Sick Animals