Veterinary

September 2, 2017, vol 181, pp 219-248

VETERINARY RECORD is published by BMJ on behalf of the British Veterinary Association. It was founded in 1888 by William Hunting, FRCVS.

British Veterinary Association 7 Mansfield Street, London W1G 9NQ 1: +44 (0) 20 7636 6541

bvahq@bva.co.uk

Officers of the BVA

President: Gudrun Ravetz Senior Vice-President: Sean Wensley

Junior Vice-President: John Fishwick leterinary Editor-in-Chief

Alexander Trees

Hinical Research Editor om McNeilly

Editorial Board

Stephen Baines, Julie Fitzpatrick, Danièlle Gunn-Moore, John Innes, Wayne McIlwraith, Richard Martin, Chris Jura, Chris Proudman, Stuart Reid, Susan Rhind, Randolph lichards, Kenneth Simpson, Polly Taylor, James Wood

Idele Waters

/lanaging Editor

iuzanne Jarvis

Senior News Reporter

ındreas Exarheas

\cting Production Manager

ieorgina Mills ditorial Staff

Ilivia Azouaghe, Kristy Ebanks, Gill Harris, Laura Honey

urveillance Editor athryn Clark

Il communications for the editorial department should be

eterinary Record, BMJ, BMA House, Tavistock Square, ondon WC1H 9JR

+44 (0) 20 7387 4409 : editorial@bva-edit.co.uk

urther information about Veterinary Record and its sister urnal, In Practice, can be found at www.bvapublications.com

nnual subscriptions dividual: Print and online

Online only £359

etails of US \$, Euro and institutional subscription rates e available at http://veterinaryrecord.bmj.com/site/about/ ubslanding.xhtml

ubscription requests to:

ustomer Services

VIJ, BMA House, Tavistock Square, London WC1H 9JR

+44 (0) 20 7383 6270 support@bmj.com

assified advertisements should be sent to:

et Record Careers

MA House, Tavistock Square, London WC1H 9JR

Caroline Coppin, +44 (0) 20 7383 6068 Godfrey Wasswa, +44 (0) 20 7874 7067 vetrecordjobs@bmj.com

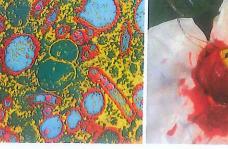
splay advertisement queries should be directed to:

evan Bowen +44 (0) 7768 880410 kbowen@bmj.com

British Veterinary Association. SN 0042 - 4900

This week's issue









Scotland toughens up its steps to eradicate bovine viral diarrhoea p 222

Winning photograph in the 'you and your work' category of the BVA's photo competition, p 225

Parallel career: Ian Wright is a parasitologist and a vet, p i

220 Comment

220 Taking a position on pain management

221 **News and Reports**

221 It's time to manage pain in calves On cover

222 Scotland pushes for tougher action on cattle farmers to eradicate BVD

223 Vets 'extremely concerned' about reclassification of sheep anthelmintic

Top photographs named in BVA's annual 225 competition On cover

226 Medicines update

223 News in brief

228 Surveillance

228 Small animal disease surveillance: Gl disease and salmonellosis

233 Research

233 Clinical significance of equine cheek teeth infundibular caries (N. du Toit) On cover

Epidemiological survey on equine cheek tooth 235 infundibular caries in the United Kingdom (D. Borkent and others)

236 Alternative methods to compare safety of live-attenuated respiratory Newcastle disease vaccines in young chicks (A. Malo and others) 237 Infectious keratoconjunctivitis and

occurrence of Mycoplasma conjunctivae and Chlamydiaceae in small domestic ruminants from Central Karakoram, Pakistan (X. Fernández-Aguilar and others)

238 Research Digest

239 Books

240 My view

241 Letters and Notices

241 Bovine TB controls in the UK (D. Leonard) (G. Ravetz)

Need for clear product labelling (P. Goddard) 242

242 Preparing graduates for practice (S. Allen)

242 Bovine TB in the pilot badger cull zone in Gloucestershire (R. Blowey and others)

243 The mosquito Aedes vexans in England (J. M. Medlock and others)

244 **Obituaries**

245 **BVA News**

ì

Vet Record Careers

Parallel careers: a parasitologist and a vet (I. Wright)

Veterinary Record is published by BMJ Publishing Group Ltd (BMJ), a wholly owned subsidiary of the British Medical Association, on behalf of the British Veterinary Association

Veterinary 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.

Veterinary 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, the 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 the BVA shall not be liable for any loss, injury or damage resulting from the use of Veterinary 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 © 2017 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.

Veterinary Record (ISSN No: 0042-4900) is published weekly by BMJ Publishing Group Ltd. The US annual subscription

price is US \$853. 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.

Veterinary Record is published by BMJ Publishing Group Ltd, typeset by Exeter Premedia Services, and printed in the UK on acid-free paper from sustainable forests by Warners Midland,