Veterinary

June 10, 2017, vol 180, pp 553-578

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 T: +44 (0) 20 7636 6541 E: bvahq@bva.co.uk

Officers of the BVA President: Mrs G. Ravetz

Senior Vice-President: Mr S. Wensley Junior Vice-President: Mr J. C. Fishwick

Veterinary Editor-in-Chief Alexander Trees

Clinical Research Editor Tom McNeilly

Editorial Board

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

Editor Adele Waters

Managing Editor Suzanne Jarvis

Editorial Staff

Olivia Azouaghe, Kristy Ebanks, Gill Harris, Laura Honey, Georgina Mills

All communications for the editorial department should be

Veterinary Record, BMJ, BMA House, Tavistock Square, London WC1H 9JR

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

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

Annual subscriptions

£437 Individual: Print and online Online only

Details of US \$, Euro and institutional subscription rates are available at at http://veterinaryrecord.bmj.com/site/about/ Subslanding.xhtml

Subscription requests to:

Customer Services BMJ, BMA House, Tavistock Square, London WC1H 9JR

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

Classified advertisements should be sent to:

Vet Record Careers

BMA House, Tavistock Square, London WC1H 9JR

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

Display advertisement queries should be directed to:

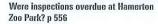
Kevan Bowen

T: +44 (0) 7768 880410 E: kbowen@bmj.com

@ British Veterinary Association. ISSN 0042 - 4900

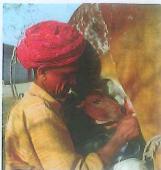
This week's issue







Reducing stress when shearing alpacas, p 568



How is telemedicine being used in zoonotic disease surveillance in India? p 572

554 Comment

554 Today's pets need strong vet voice

555 **News and Reports**

Reducing lameness in sheep: new treatment 555 approach recommended

556 Were inspections 'overdue' at zoo where keeper was mauled to death by a tiger?

Global strategy on animal welfare announced 557 by OIE

557 Working together to fight vector-borne

558 Avian influenza case confirmed in Norfolk

558 Scotland and NI achieve negligible BSE risk status

559 Kennel Club recognises achievements in canine health research

559 Brachycephalic breeds most likely to encounter birthing difficulties

560 Pig sector reassesses its highest priority antibiotics

560 Medicines update

558 News in Brief

562 Surveillance

562 SAC C VS disease surveillance report, February 2017

566 Research

566 Reducing the stress response of alpacas during shearing (G. Piccione and others) 568 Clinical parameters and adrenocortical activity

to assess stress responses of alpacas using different methods of restraint either alone or with shearing (T. Wittek and others)

569 Clinical presentation and outcome of dogs treated medically or surgically for thoracolumbar intervertebral disc protrusion (A. H. Crawford, S. De Decker)

Supervisor descriptions of veterinary student 570 performance in the clinical workplace: a qualitative interview study (E. J. Norman)

571 Research Digest

572 Viewpoint

572 Telehealth in India: helping to achieve health for all (A. Pathak, D. Kumar)

574 Letters and Notices

Tail docking in Scotland (E. G. Milne) 574

Infectious bronchitis virus in Romanian broiler 574 farms (F. Giovanni and others)

574 Holly leaf ingestion causing pharyngeal obstruction in lambs (M. Millar, A. Carson)

575 Digital dermatitis-associated treponemes in farm animals (R. Blowey, H. Crosby-Durrani)

575 Can zoo licensing be improved? (C. Draper)

Transmission of livestock-associated MRSA to 575 people (D. G. S. Burch)

Products and Services 577

Vet Record Careers

i Orthopaedics - not just for boys

ii Diary of a parliamentary intern

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 (BVA)

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 Techset, and printed in the UK on acid-free paper from sustainable forests by Warners Midland, Bourne,