

Papers published by VLA staff April – June 2009

Aktan I; Woodward MJ; La Ragione RM 2009

Interaction between attaching-effacing Escherichia coli O26:K60 and O157:H7 in young lambs.
Research in Veterinary Science 87 (1) 13-15.

Alexander DJ; Brown IH 2009

History of highly pathogenic avian influenza.
Revue Scientifique et Technique 28 (1) 19-38.

Bessen DE; McGregor KF; Whatmore AM 2008

Relationships between emm and multilocus sequence types within a global collection of
Streptococcus pyogenes.
BMC Microbiology 8:59.

Best EL; Hampton MD; Ethelberg S; Liebana E; Clifton-Hadley FA; Threlfall EJ 2009

Drug-resistant Salmonella typhimurium DT120: use of PFGE and MLVA in a putative international
outbreak investigation.
Microbial Drug Resistance 15 (2) 133-138.

Boehning DA; Del Rio Vilas VJ 2009

On the question of proportionality of the count of observed scrapie cases and the size of holding.
BMC Veterinary Research 5:17.

Brookes SM; Irvine RM; Nunez A; Clifford D; Essen S; Brown IH; Van Reeth K; Kuntz-Simon G;
Loeffen W; Foni E; Larsen L; Matrosovich M; Bublot M; Maldonado J; Beer M; Cattoli G 2009

Influenza A (H1N1) infection in pigs (letter).
Veterinary Record 164 (24) 760-761.

Brown IH 2008

The role of pigs in interspecies transmission.
In: Klenk HD (ed), Matrosovich MN (ed), Stech J (ed), Avian influenza, Basel, Karger, 2008,
88-100.

Carrique-Mas JJ; Breslin M; Snow L; Arnold ME; Wales A; McLaren; Davies RH 2008

Observations related to the salmonella EU layer baseline survey in the United Kingdom: follow-up
of positive flocks and sensitivity issues.
Epidemiology and Infection 136 (11) 1537-1546.

Carrique-Mas JJ; Breslin M; Snow L; McLaren I; Sayers AR; Davies RH 2009

Persistence and clearance of different salmonella serovars in buildings housing laying hens.
Epidemiology and Infection 137 (6) 837-846.

Caughey B; Baron GS; Chesebro B; Jeffrey M 2009

Getting a grip on prions: oligomers, amyloids, and pathological membrane interactions.
Annual Reviews of Biochemistry 78 (14).

Cawthraw S; Saunders GC; Martin TC; Sawyer J; Windl O; Reaney SD 2009

Real-time PCR detection and identification of prohibited mammalian and avian material in animal
feeds.
Journal of Food Protection 72 (5) 1055-1062.

- Cllifton-Hadley R; Daniel R; Rolfe S 2009
An outbreak of tuberculosis in Golden Guernsey goats.
Goat Veterinary Society Journal (25) 108-110.
- Cliquet F; Picard Meyer E; Barrat J; Brookes SM; Healy DM; Wasniewski M; Litaize E; Biarnais M; Johnson L; Fooks AR 2009
Experimental infection of foxes with European bat lyssaviruses type-1 and 2.
BMC Veterinary Research 5:19.
- Clough HE; Fenton SE; French NP; Miller AJ; Cook AJC 2009
Evidence from the UK Zoonoses Action Plan in favour of localised anomalies of salmonella infection on United Kingdom pig farms.
Preventive Veterinary Medicine 89 (1-2) 67-74.
- Dawson M 2009
Update on EC restrictions to be applied to the use of milk from TSE-affected goat herds and sheep flocks.
Goat Veterinary Society Journal (25) 66-67.
- Dunham EJ; Dugan VG; Kaser EK; Perkins SE; Brown IH; Holmes EC; Taubenberger JK 2009
Different evolutionary trajectories of European avian-like and classical swine H1N1 influenza A viruses.
Journal of Virology 83 (11) 5485-5494.
- Ellis-Iversen J; Cook AJC; Smith RP; Pritchard GC; Nielsen M 2009
Temporal patterns and risk factors for Escherichia coli O157 and campylobacter spp. in young cattle.
Journal of Food Protection 72 (3) 490-496.
- Ellis-Iversen J; Hogeveen H 2009
Barriers and motivators for zoonotic control on cattle farms.
Society for Veterinary Epidemiology and Preventive Medicine, London 1st-3rd April 2009, 177-187.
- Ellis-Iversen J; Jorgensen F; Bull S; Powell L; Cook AJ; Humphrey TJ 2009
Risk factors for Campylobacter colonisation during rearing of broiler flocks in Great Britain.
Preventive Veterinary Medicine 89 (3-4) 178-184.
- Ersdal C; Goodsir CM; Simmons MM; McGovern G; Jeffrey M 2009
Abnormal prion protein is associated with changes of plasma membranes and endocytosis in bovine spongiform encephalopathy (BSE)-affected cattle brains.
Neuropathology and Applied Neurobiology 35 (3) 259-271.
- Fenton SE; Clough HE; Diggle PJ; Evans SJ; Davison HC; Vink WD; French NP 2009
Spatial and spatio-temporal analysis of salmonella infection in dairy herds in England and Wales.
Epidemiology and Infection 137 (6) 847-857.
- Fielder M; Borriello P 2009
Zoonoses: past, present and future.
Microbiologist 10 (1) 24-28.

- Foster A; Bidewell C; Barnett J; Sayers R 2009
Haematology and biochemistry in alpacas and llamas.
In Practice 31 (6) 276-281.
- Gale P; Drew T; Phipps LP; David G; Wooldridge M 2009
The effect of climate change on the occurrence and prevalence of livestock diseases in Great Britain: a review.
Journal of Applied Microbiology 106 (5) 1409-1423.
- Garcia-Pelayo MC; Uplekar S; Keniry A; Lopez PM; Garnier T; Garcia JN; Boschirolu L; Xiangmei Zhou; Parkhill J; Smith N; Hewinson RG; Cole ST; Gordon SV 2009
A comprehensive survey of single nucleotide polymorphisms (SNPs) across *Mycobacterium bovis* strains and *M. bovis* BCG vaccine strains refines the genealogy and defines a minimal set of SNPs that separate virulent *M. bovis* strains and *M. bovis* BCG strains.
Infection and Immunity 77 (5) 2230-2238.
- Garenaux A; Luchetti-Miganeh C; Ermel G; Baroy-Hubler F; Jonge R de; Newell D; Payot S; Federighi M; Tresse O; Guillou S; Ritz M 2007
Better understanding the campylobacter conundrum: parallel between *Campylobacter jejuni* genome sequence study and physiology.
In: Berger MC (ed), *New developments in food microbiology research*, Nova Science, New York, 2007, 1-90.
- Gavier-Widen D; Cooke MM; Gallagher J; Chambers MA; Gortazar C 2009
A review of infection of wildlife hosts with *Mycobacterium bovis* and the diagnostic difficulties of the 'no visible lesion' presentation.
New Zealand Veterinary Journal 57 (3) 122-131.
- Harwood D 2009
The differences and similarities between diseases of sheep and goats.
Goat Veterinary Society Journal (25) 37-40.
- Harwood D 2009
Goats in the world livestock scene.
Goat Veterinary Society Journal (25) 41-42.
- Harwood DG; Griffiths WH; Bradshaw JM; Gilbert T 2009
Uterine endometrial carcinoma associated with dystocia in a captive scimitar-horned oryx (*Oryx dammah*).
Veterinary Record 164 (21) 661-662.
- Hateley G 2009
Bluetongue in northern Europe: the story so far.
In Practice 31 (5) 202-209.
- Hoinville L; Tomley F; Wootton L; Cook A 2009
New approaches to surveillance.
Veterinary Record 164 (4) 413-414.
- Holliman A 2009
Neonatal enteritis in goat kids.
Goat Veterinary Society Journal (25) 89-93.

- Hope J 2009
Eradicating scrapie.
Epidemiology and Infection 137 (6) 792-793.
- Hu RL; Fooks AR; Zhang SF; Liu Y; Zhang F 2008
Inferior rabies vaccine quality and low immunization coverage in dogs (*Canis familiaris*) in China.
Epidemiology and Infection 136 (11) 1556-1563.
- Huehn S; Helmuth R; Bunge C; Guerra B; Junker E; Davies RH; Wattiau P; Pelt W van; Malorny B 2009
Characterization of pathogenic and resistant genome repertoire reveals two clonal lines in *Salmonella enterica* subsp. *enterica* serovar Paratyphi B (+)-tartrate positive.
Foodborne Pathogens and Disease 6 (4) 431-443.
- Hutchinson JP; Carson AJ; Proctor P 2009
Predator attacks on sheep in Northumberland (letter).
Veterinary Record 164 (26) 820.
- Irvine R; Brown I 2009
Novel H1N1 influenza in people: global spread from an animal source?
Veterinary Record 164 (19) 577-578.
- Johnson N; Fooks A; McColl K 2008
Reexamination of human rabies case with long incubation, Australia. (letter)
Emerging Infectious Diseases 14 (12) 1950-1951.
- McInnes CJ; Coulter L; Dagleish MP; Fiegna C; Gilray J; Willoughby K; Cole M; Milne E; Meredith A; Everest DJ; MacMaster AM 2009
First cases of squirrelpox in red squirrels (*Sciurus vulgaris*) in Scotland.
Veterinary Record 164 (17) 528-531.
- Niesalla HS; Dale A; Slater JD; Scholes SFE; Archer J; Maskell DJ; Tucker AW 2009
Critical assessment of an in vitro bovine respiratory organ culture system: a model of bovine herpesvirus-1 infection.
Journal of Virological Methods 158 (1-2) 123-129.
- Norris A; Foyle L; Ratcliff J 2008
Heritability of mortality in response to a natural pancreas disease (SPDV) challenge in Atlantic salmon, *Salmo salar* L., post-smolts on a West of Ireland sea site.
Journal of Fish Diseases 31 (12) 913-920.
- Ojo O; Sheehan S; Corcoran GD; Okker M; Gover K; Nikolayevsky V; Brown T; Dale J; Gordon SV; Drobniowski F; Prentice MB 2008
Mycobacterium bovis strains causing smear-positive human tuberculosis, southwest Ireland.
Emerging Infectious Diseases 14 (12) 1931-1934.
- Ortiz-Pelaez A; Del Rio Vilas VJ 2009
Within-holding prevalence of sheep classical scrapie in Great Britain.
BMC Veterinary Research 5:1.

- Otter A; Welchman D de B; Sandvik T; Cranwell MP; Holliman A; Millar MF; Scholes SFE 2009
Congenital tremor and hypomyelination associated with bovine viral diarrhoea virus in 23 British cattle herds.
Veterinary Record 164 (25) 771-778.
- Pajamo K; Harkess G; Goddard T; Marston D; McElhinney L; Johnson N; Fooks A 2008
Isolation of European bat lyssavirus type 2 (EBLV-2) in a Daubenton's bat in the UK with a minimum incubation period of 9 months.
Rabies Bulletin Europe 32 (2) 6-8.
- Pedreira M; Sanchez-Cordon PJ; Romero-Trejejo JL; Rivalde MA; Greiser-Wilke I; Nunez A; Gomez-Villamandos JC 2009
Morphological changes and virus distribution in the ileum of colostrum-deprived calves inoculated with non-cytopathic bovine viral diarrhoea virus genotype-1.
Journal of Comparative Pathology 141 (1) 52-62.
- Pickford JL; Wainwright L; Wu GH; Poole RK 2008
Expression and purification of Cgb and Ctb, the no-inducible globins of the foodborne bacterial pathogen *C-jejuni*.
Methods in Enzymology (436) 289-302.
- Pires SM; Evers EG; Pelt W van; Ayers T; Scallan E; Angulo FJ; Havelaar A; Hald T; Schroeter A; Brisabois A; Thebault A; Kasbohrer A; Schroeder C; Frank C; Chuanfa Guo; Danilo Lo Fo Wong; Dopfer D; Snary E; Nichols G; Spitznagel H; Wahlstrom H; David J; Pancer K; Stark K; Forshell LP; Nally P; Sanders P; Hiller P 2009
Attributing the human disease burden of foodborne infections to specific sources.
Foodborne Pathogens and Disease 6 (4) 417-424.
- Pritchard G 2009
Zoonoses: some recent issues.
Goat Veterinary Society Journal (25) 32-36.
- Pritchard GC; Smith R; Ellis-Iversen J; Cheasty T; Willshaw GA 2009
Verocytotoxigenic *Escherichia coli* O157 in animals on public amenity premises in England and Wales, 1997 to 2007.
Veterinary Record 164 (18) 545-549.
- Randall LP; Kirchner M; Teale CJ; Coldham NG; Liebana E; Clifton-Hadley F 2009
Evaluation of CHROMagar CTX, a novel medium for isolating CTX-M-ESBL-positive enterobacteriaceae while inhibiting AmpC-producing strains.
Journal of Antimicrobial Chemotherapy 63 (2) 302-308.
- Sainsbury AW; Deaville R; Lawson B; Cooley WA; Farelly SSJ; Stack MJ; Duff P; McInnes CJ; Gurnell J; Russell PH; Rushton SP; Pfeiffer DU; Nettleton P; Lurz PWW 2008
Poxviral disease in red squirrels *Sciurus vulgaris* in the UK: spatial and temporal trends of an emerging threat.
Ecohealth 5 (3) 305-316.
- Saunders GC; Cawthraw S; Mountjoy SJ; Tout AC; Sayers AR; Hope J; Windl O 2009
Ovine PRNP untranslated region and promoter haplotype diversity.
Journal of General Virology 90 (5) 1289-1293.

Savvidou SE; Beal JD; Brooks PH; La Ragione RM 2009
Liquid feed fermented with *Lactobacillus salivarius* reduces susceptibility of broiler chickens to *Salmonella enterica typhimurium* Sal 1344 nal.
British Poultry Abstracts 5 (1) 43-44.

Scholes SFE; Edwards GT 2009
Tyzzer's disease (*Clostridium piliforme* infection) and possible copper toxicity in a lamb.
Veterinary Record 164 (15) 470-471.

Simmons H; Simmons M; Spencer Y; Chaplin M; Povey G; Davis A; Ortiz-Pelaez A; Hunter N; Matthews D; Wrathall A 2009
Atypical scrapie in sheep from a UK research flock which is free from classical scrapie.
BMC Veterinary Research 5:8.

Simon S; Benestad SL; Maillat S; Mathey J; Lugan S; Corbiere F; Cassard H; Costes P; Bergonier D; Weisbecker JL; Moldal T; Simmons H; Lantier F; Feraudet-Tarisse C; Morel N; Schelcher F; Grassi J; Androletti O 2008
Prions in milk from ewes incubating natural scrapie.
PLoS Pathogens 4 (12): 238.

Siso S; Jeffrey M; Gonzalez L 2009
Neuroinvasion in sheep transmissible spongiform encephalopathies: the role of the haematogenous route.
Neuropathology and Applied Neurobiology 35 (3) 232-246.

Siso S; Jeffrey M; Martin S; Houston F; Hunter N; Gonzalez L 2009
Pathogenetical significance of porencephalic lesions associated with intracerebral inoculation of sheep with the bovine spongiform encephalopathy (BSE) agent.
Neuropathology and Applied Neurobiology 35 (3) 247-258.

Slomka MJ; Pavlidis T; Coward VJ; Voermans J; Koch G; Hanna A; Banks J; Brown IH 2009
Validated RealTime reverse transcriptase PCR methods for the diagnosis and pathotyping of Eurasian H7 avian influenza viruses.
Influenza and Other Respiratory Viruses 3 (4) 151-164.

Thomas RJ; Webber D; Collinge A; Stagg AJ; Bailey SC; Nunez A; Gates A; Jayasekera PN; Taylor RR; Eley S; Titball RW 2009
Different pathologies but equal levels of responsiveness to the recombinant F1 and V antigen vaccine and ciprofloxacin in a murine model of plague caused by small- and large-particle aerosols.
Infection and Immunity 77 (4) 1315-1323.

Twomey DF 2009
Malignant catarrhal fever in goats.
Goat Veterinary Society Journal (25) 86-88.

Walker N; Redmond L; Payne J; Kennedy S; Wyllie S 2009
Change to FSA advice on botulism in sheep and goats (letter).
Veterinary Record 164 (21) 666-667.

Ward PN; Holden MTG; Leigh JA; Lennard N; Bignell A; Barron A; Clark L; Quail MA; Woodward J; Barrell BG; Egan SA; Field TR; Maskell D; Kehoe M; Dowson CG; Chanter N; Whatmore AM; Bentley SD; Parkhill J 2009

Evidence for niche adaptation in the genome of the bovine pathogen *Streptococcus uberis*.
BMC Genomics 2009 10:54.

Watson PJ; Scholes SFE 2009

Clostridium perfringens type D epsilon intoxication in one-day-old calves.
Veterinary Record 164 (26) 816-817.

Welchman D de B; Cox WJ; Gough RE; Wood AM; Smyth VJ; Todd D; Spackman D 2009

Avian encephalomyelitis virus in reared pheasants: a case study.
Avian Pathology 38 (3) 251-256.

Wheeler PR 2008

Analysis of lipid biosynthesis and location.

In: Parish T (ed), Brown AC (ed), *Mycobacteria protocols*, 2nd ed, Humana Press, New York, 2008, 61-81.

Wheeler PR 2008

Analyzing lipid metabolism: activation and beta-oxidation of fatty acids.

In: Parish T (ed), Brown AC (ed), *Mycobacteria protocols*, 2nd ed, Humana Press, New York, 2008, 47-59.

Williamson S; Woodger N; Higgins R; Hands I 2009

Ataxia associated with sunburn in outdoor gilts: a case report.
Pig Journal (62) 84-87.