

Higiene y Bienestar Animal. Medidas preventivas de la salud del Hato.

Objetivos:

Comprender el entorno diseñado por el hombre como fuente de diversos factores de riesgo que afectan la presencia de enfermedades multifactoriales en el ganado.

Identificar el complejo de medidas preventivas dirigidas al mantenimiento de la salud del rebaño.

Referente Principal : Dr Andres Aland. Institute of Veterinary Medicine and Animal Sciences.

Estonian University of life Sciences.

Contenido del curso:

Higiene animal al servicio de las instalaciones para los animales.

La higiene animal como clave para reducir el uso de antibióticos en la producción animal.

Los impactos del microclima en los animales.

Bioaerosoles y contaminación del aire en las instalaciones en los animales.

Rutinas de gestión. Suministro de espacio. Equipo tecnológico en el entorno de los animales.

Ganadería de precisión, técnicas, riesgos y beneficios.

Reducción de riesgos de salud relacionados con el manejo del estiércol.

Es mejor prevenir que curar, zoonosis y enfermedades emergentes.

Los medios y medidas de bioseguridad e higiene del rebaño.

Se entregaran constancias de asistencia con valor curricular .

Instituciones Participantes:

Institute of Veterinary Medicine and Animal Sciences. Estonian University of life Sciences.

Universidad Autónoma Metropolitana. Unidad Xochimilco

Universidad de Guadalajara. CUCBA. Cuerpo academico "Fisiopatología de la mastitis!"

Universidad Michoacana de San Nicolás de Hidalgo.

Instituto Tecnológico de Tlajomulco.

Curriculum Vitae

Name Andres Aland
Date of birth 13.10.1962
Phone 731 3221, 5569 0935
E-mail Andres.Aland@emu.ee
Additional info Married, two children.
Picture



Career

Institution and position held
01/09/2011 - ... Estonian University of Life Sciences, Institute of Veterinary Medicine and Animal Sciences, director
02/01/2009 - 01/31/2014 Estonian University of Life Sciences, Institute of Veterinary Medicine and Animal Sciences, Department of Animal Health and Environment; Associate Professor (1.00)
02/01/2005 - 01/31/2009 Estonian University of Life Sciences, Institute of Veterinary Medicine and Animal Sciences, Department of Animal Health and Environment; Associate Professor (1.00)
1996 - 2004 Estonian Agricultural University, lecturer
1994 - 1996 Estonian Agricultural University, assistant, junior scientist
1986 - 1993 The collective farm "Saadjärve", veterinary surgeon

Education
1998 - 2003 Estonian Agricultural University, PhD
1994 - 1996 Estonian Agricultural University, MSc
1981 - 1986 Estonian Agricultural Academy, DVM
1970 - 1981 Tartu 8. Secondary School

Administrative responsibilities
2009 - ... Member of the Scientific Committee of the Symposium of the Australian Society for Engineering in Agriculture (SEAg) (13.-16. September, 2009, Brisbane, Australia)
2008 - ... Co-organiser of the International PhD course "Dairy cattle production environment and welfare - aspects of precision livestock farming" (EMÜ, Tartu, 26.-30.05.2008)

2008 - ... Director of the working group "Estonian Research Centre for Animal Welfare" at the Estonian University of Life Sciences

2005 - ... Scandinavian Society for Laboratory Animal Science (Scand-LAS), substitute member of the board

2005 - ... Member of PhD Committee for Veterinary Science

2004 - ... Member of the Permission Committee for Conducting Animal Experiments at the Ministry of Agriculture

1997 - ... International Society for Animal Hygiene (ISAH): 1997-member; 2003 - member of the Executive Board; 2005-2007 - II vice-president; 2007 - I vice-president

1988 - ... Estonian Veterinary Association

2010 - 2014 Member of PhD Committee for Veterinary and Food Science

2008 - 2011 Member of the Scientific Council of the Institute of Veterinary Medicine and Animal Sciences of EMU

2008 - 2009 Member of Scientific Committee of the XIV ISAH Congress (July 19-23, 2009, Vechta, Germany)

2007 - 2008 Member of organising committee of the 38th Annual Symposium and Educational Days of Scand-LAS, Tartu, Eesti, 8.-11.05.2008

2006 - 2010 Member of the Expert Commission for Health of Estonian Science Foundation

2005 - 2007 Chairman of the Organizing Committee for XIII International Congress in Animal Hygiene, Tartu, June 17-21, 2007

2002 - 2004 Member of the Council of the Faculty of Veterinary Medicine

1996 - 2001 Member of the Council of the Faculty of Veterinary Medicine

Creative work

REVIEWER:

Frederick Kwame Teye: „Microclimate and gas emissions in dairy buildings: instrumentation, theory and measurements", PhD thesis, University of Helsinki, 2008;

CABI review questionnaire: Ingvar Ekesbo's book proposal Biological Characteristics of Farm Animals", October, 2009.

Research activity

Degree information

Andres Aland, Doctor's Degree, 2003, (sup) Jaan Praks, Väino Poikalainen, Lüpsikarja tervise seiremudel ning selle rakendamise loomade tervise hindamisel ja parandamisel (Health monitoring model for a herd of milking cows and its application for health evaluation and improvement), Estonian University of Life Sciences

Honours & Awards

2008, Andres Aland; Letter of thanks from the Ministry of Education and Science for the supervision of Aile Kull's MSc thesis

2007, Andres Aland; Prize of Raefond, Estonian University of Life Sciences

2004, Andres Aland; DeLaval scientific research grant, I prize winner

Field of research	3. Health, 3.2. Veterinary Medicine (Animal and herd health)
Current grants & projects	Elaboration of automatic monitoring system for detection of cattle' leg disorders
Dissertations supervised	<p>Marge Malbe, PhD, 2011 (sup) Andres Aland, Hannu Saloniemi, Selenium-dependent antimicrobial factors in milk of dairy cows, Estonian University of Life Sciences, Institute of Veterinary Medicine and Animal Sciences, Department of Animal Health and Environment</p> <p>Carola Anneli Laine, Master's Degree, 2010, (sup) Andres Aland, Kalmer Kalmus, Hinnang lõaspidamiselt vabapidamisele üleviidavate lehmade sõrahaiguste esinemisele Soome farmerite ja sõravärkijate küsitluse põhjal, 2010, Estonian University of Life Sciences</p> <p>Aile Kull, Master's Degree, 2008, (sup) Andres Aland, Anne Pavlenko, Lüpsilehmade kohanemiskäitumine ja käitumishälbed üleminekul lõaspidamiselt vabapidamisele, 2008 (Adaptive behaviour and behavioural abnormalities of dairy cows in transition from tied to loose housing system), Estonian University of Life Sciences</p>
Additional information	Animal and herd health; health monitoring; multifactorial diseases; environmental risk factors; animal housing; environmental hygiene, dairy cattle keeping; preventive health programmes; animal welfare, veterinary public health
Publications	<p>Arney, David; Aland, Andres (2012). Humane transport and slaughter of farm animals. Jakobsson, C. (Toim.). Ecosystem Health and Sustainable Agriculture (344 - 348). Uppsala, Sweden: Baltic University Press</p> <p>Arney, David; Aland, Andres (2012). Contemporary issues in farm animal housing and management - cattle housing and welfare. Jakobsson, C. (Toim.). Ecosystem Health and Sustainable Agriculture (324 - 328). Uppsala, Sweden: Baltic University Press</p> <p>Pavlenko, Anne; Bergsten, Christer; Ekesbo, Ingvar; Kaart, Tanel; Aland, Andres; Lidfors, Lena (2011). Influence of digital dermatitis and sole ulcer on dairy cow behaviour and milk production. <i>Animal</i>, 5(8), 1259 - 1269.</p> <p>Kaasik, Allan; Maasikmets, Marek; Aland, Andres (2011). Concentrations of airborne particulate matter, ammonia and carbon dioxide in large scale uninsulated loose housing cowsheds in Estonia. In: Proceedings of the XVth International Congress of the ISAH: XV ISAH Congress 2011 "Animal Hygiene and Sustainable Livestock Production", Vienna, Austria, July 3-7, 2011. (Toim.) J. Köfer; H. Schobesberger. Brno, Czech Republic: Tribun EU s.r.o., 2011, 219 - 221.</p>

Poikalainen, Väino; Praks, Jaan; Veermäe, Imbi; Aland, Andres; Vallas, Mirjam (2011). Automatic lameness detection of dairy cows at the feed barrier by leg weight distribution. In: Proceedings of the XVth International Congress of the ISAH: XV ISAH Congress 2011 "Animal Hygiene and Sustainable Livestock Production", Vienna, Austria, July 3-7, 2011. (Toim.) J. Köfer; H. Schobesberger. Brno, Czech Republic: Tribun EU s.r.o., 2011, 317 - 319.

Aland, Andres; Noordhuizen, Jos; da Silva, Joao Cannas (2011). Diagnostilised hindamisviisidid tiinestumisprogrammi reali-seerimiseks piimafarmis. Eesti Loomaarstlik Ringvaade, 2, 13 - 18.

Poikalainen, V.; Praks, J.; Kokin, E.; Aland, A.; Veermäe, I.; Peets, S.; Ahokas, J.; Pastell, M.; Hautala, M.; Berckmans, D.; Bahr, C.; Miljkovic, D. (2010). Elaboration of basic methods for automatic analysis of cows' gait. Agronomy Research, 8, 216 - 225.

Aland, Andres; Lidfors, Lena; Ekesbo, Ingvar (2009). Impact of elastic stall partitions on tied dairy cows' behaviour and stall cleanliness. Preventive Veterinary Medicine, 92, 154 - 157.

Pavlenko, Anne; Aland, Andres; Poikalainen, Väino; Kaart, Tanel; Lidfors, Lena; Kull, Aile (2009). The impact of transition to a new housing system on milking cows' behaviour patterns. In: Proceedings of the 43rd Congress of the International Society for Applied Ethology: 43rd Congress of the International Society for Applied Ethology, Cairns, Australia, 6.-10. July, 2009. Cairns, Australia: Allclear Printing, 2009, 154.

Aland, Andres; Praks, Jaan; Kaart, Tanel; Poikalainen, Väino; Veermäe, Imbi (2009). Disease incidence in dairy cows, and environmental risk factors, in large cold loose housing cowsheds in Estonia. In: Proceedings of the XIV ISAH Congress 2009: XIV International Congress of the ISAH "Sustainable animal husbandry: Prevention is better than cure", Vechta, Germany, July 19-23, 2009. (Toim.) A. Briese; M. Clauß; J. Hartung; A. Springorum. Brno, Czech Republic: Tribun EU, 2009, 133 - 136.

Aland, Andres; Poikalainen, Väino; Praks, Jaan; Veermäe, Imbi (2009). Loomade heaolu saab hinnata. Maamajandus, 30 - 33.

(2009). "Sustainable animal production: The challenges and potential developments for professional farming". Wageningen, The Netherlands: Wageningen Academic Publishers.

Pavlenko, Anne; Lidfors, Lena; Bergsten, Christer; Aland, Andres; Arney, David (2009). Claw diseases as a factor for changes in dairy cows' behaviour and milk production. Aland, A.;

Madec, F. (Eds.). Sustainable animal production: The challenges and potential developments for professional farming (135 - 148). Wageningen, The Netherlands: Wageningen Academic Publishers.

Poikalainen, Väino; Praks, Jaan; Veermäe, Imbi; Aland, Andres (2008). Produktiivloomade heaolu hindamine ja toodete märgistamine heaolumärgiga - olukord ja perspektiivid Euroopa Liidus. Lihafoorum, 11 - 12.

Poikalainen, Väino; Praks, Jaan; Veermäe, Imbi; Kokin, Eugen; Aland, Andres; Pavlenko, Anne (2008). Lehmade jalatervise automaatse määramise võimalused vabapidamisel. Piimafoorum, 23 - 24.

Aland, Andres; Poikalainen, Väino; Praks, Jaan; Veermäe, Imbi; Kokin, Eugen; Pavlenko, Anne (2008). Piimalehmade heaolu ja selle hindamise võimalusi. Piimafoorum, 25 - 26.

Pavlenko, Anne; Kaart, Tanel; Poikalainen, Väino; Lidfors, Lena; Aland, Andres (2008). The influence of changing the housing system on milking cows' behaviour patterns. L. Boyle, N. O'Connell, A.Hanlon (Eds.). Proceedings of the 42nd International Congress in Applied Ethology (97). Dublin, Ireland: Wageningen Academic Publishers.

Aland, Andres (2007). XIII Rahvusvahelise Loomatervishoiu Kongressi artiklite kogumik. Tartu, Estonia: International Society for Animal Hygiene & Estonian University of Life Sciences.

Poikalainen, Väino; Veermäe, Imbi; Praks, Jaan; Aland, Andres; Kaart, Tanel; Kokin, Eugen; Pastell, Matti; Ahokas, Jukka; Hautala, Mikko. (2007). Remote monitoring and analysis of indoor temperature, dairy cows' health and productivity in large loose housing cowsheds by an automatic network system. In: Proceedings of the XIII International Congress in Animal Hygiene: XIII International Congress in Animal Hygiene, Tartu, Estonia, June 17-21, 2007. (Eds.)A. Aland. Tartu, Estonia: Estonian University of Life Sciences, 2007, 604 - 609.

Ernits, Enn; Nahkur, Esta; Tikk, Harald; Piirasalu, Matti; Hämmal, Jaanus; Aland, Andres; Sudakov, Mihhail; Viltrop, Arvo; Lindjärv, Raivo; Põdersoo, Diivi; Saar, Tiiu; Järvis, Toivo; Lepp, Elbi; Järveots, Tõnu; Roasto, Mati (2006). Lindude tervishoid ja haigused. Tartu: Halo Kirjastus.

Aland, Andres (2005). Lüpsilehm peab terve olema II. Maamajandus, 29 - 31.

Aland, Andres (2005). Lüpsilehm peab terve olema I. Maamajandus, 28 - 30.

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Poikalainen, Väino; Veermäe, Imbi; Praks, Jaan; Aland, Andres; Kokin, Eugen; Laikoja, Katrin; Ahokas, Jukka; Hautala, Mikko (2005). Possibilities of automatic assessment of cows' welfare 2005. In: Animals and Environment: XIIth International Congress on Animal Hygiene ISAH 2005, Warsaw, Poland, 4-8 September 2005. (Eds.)A. Krynski; R. Wrzesien. Warsaw, Poland: BEL Studio Sp. z o.o., 2005, 180 - 183.

Aland, Andres; Veermäe, Imbi; Pajumägi, Aime; Poikalainen, Väino; Praks, Jaan (2005). Spatial microclimate variability in large uninsulated cowshed. In: Animals and Environment: XIIth International Congress on Animal Hygiene ISAH 2005, Warsaw, Poland, 4-8 September 2005. (Eds.)A. Krynski; R. Wrzesien. Warsaw, Poland: BEL Studio Sp.z o.o., 2005, 141 - 145.

Poikalainen, V.; Ahokas, J.; Praks, J.; Hautala, M.; Aland, A.; Veermäe, I. (2004). Automatic Measurement System for Cow Leg Disorder Determination. In: Animal Production in Europe: The Way Forward in a Changing World: In-between Congress of the ISAH. Saint-Malo, France, 11-13 October 2004. (Eds.)Mades, F.; Clement, G.. Ploufragan, France: ZOOPOLE 'developpement. Institut Superieur des Productions Animales et des Industries Agro -alimentai, 2004, 123 - 124.

Aland, Andres (2003). Eesti Akadeemiline Loomakaitse Ühing. A. Raukas (Eds.). Eesti Entsüklopeedia 12 (EE) (45). Tallinn: Preses Nams Corp.

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Aland, Andres (2002). Seminar Brüsselis - Euroopa Liidu laienemiseelsed arutelud loomakaitse osas. Eesti Loomaarstlik Ringvaade, 19 - 20.

Aland, Andres; Lidfors, Lena; Ekesho, Ingvar (2002). Diurnal distribution of dairy cow defecation and urination. Applied Animal Behaviour Science, 78, 43 - 54.

Aland, Andres; Poikalainen, Väino; Praks, Jaan; Veermäe, Imbi (2001). Sisekliima tsonaalsuse mõju lehmade tervisele mobiiltehnoloogiaga lõaspidamislaudas. In: Veterinaarmeditsiin '2001: Veterinaarmeditsiin 2001, Tartu, 20-22 September 2001. (Eds.)T. Tiirats. Tartu: Eesti Loomaarstide Ühing, 2001, 97 - 104.

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Aland, A.; Poikalainen, V.; Praks, J.; Veermäe, I. (2001). The Panorama of Diseases and Differences in Fur Thickness of Tied Dairy Cows According to the Zonal Distribution of Microclimate. In: Reproductive Failure in Farm Animals: Proceedings from a symposium at Estonian Agriculture University, Tartu, June 14-15. (Eds.)Tiirats, T.. Uppsala:, 2001, (CRU Report), 22 - 25.

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Veermäe, Imbi; Aland, Andres; Poikalainen, Väino; Praks, Jaan (2000). Lüpsilehmade pidamise tehnoloogia mõju käitumisele. Sotsiaalne käitumine lõaspidamisel soojustatud laudas ning vabapidamisel külmlaudas. In: Veterinaarmeditsiin 2000: Veterinaarmeditsiin 2000, Tartu, 28-30 September 2000. (Eds.) Tiirats, T. Tartu: Eesti Loomaarstide Ühing, 2000, 108 – 113.

Aland, Andres; Praks, Jaan; Poikalainen, Väino (2000). Panorama of multifactorial diseases in Estonian dairy cattle. In: Proceedings of the Xth International Congress on Animal Hygiene : Xth International Congress on Animal Hygiene, Maastricht, The Netherlands, 2-6 July 2000 . (Eds.)M. J. M. Tielen, M. Th. Voets. Boxtel, The Netherlands: Animal Health Service, 2000, 386 - 389.

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Lindfors, Lena; Aland, Andres; Ekesbo, Ingvar; Praks, Jaan (1999). The effect of different milkers on behaviour, milking speed, milk production, heart rate and health of tied dairy cows. In: Proceeding: 33rd International Congress of the International Society for Applied Ethology, Lillehammer, Norway, 17-21 August 1999. (Eds.) K. E. Bøe, M. Bakken, B.O. Braastad, Ås, Norway: Agricultural University of Norway, 1999, 70.

Aland, Andres; Veermäe, Imbi; Poikalainen, Väino; Praks, Jaan

(1999). Eating and Resting Behaviour Of Dairy Cows In Two Different Housing Systems. In: Proceeding of the Conference "Construction, Engineering and Environment in Livestock Farming": Tagung: Bau, Technik und Umwelt 1999 in der landwirtschaftlichen Nutztierhaltung, 4. Internationalen Tagung, München-Weihenstephan, Deutschland, 9-10 März 1999. München-Weihenstephan: Institut für Landtechnik der Technische Universität München-Weihenstephan, 1999, (4S), 407 - 410.

Aland, Andres; Veermäe, Imbi; Põdersoo, Diivi; Praks, Jaan; Poikalainen, Väino (1999). The Cold Housing of Dairy Cows – Health Aspects. In: Proceedings in Veterinary Medicine '99: Conference of 80th Anniversary of the Faculty of Veterinary Medicine "Veterinārmēdicinas raksti '99", Jelgava, Latvia, 22-23 October 1999. Jelgava, Latvia: Latvia University of Agriculture, 1999, 9 – 14.

Aland, Andres (1998). Animal welfare legislation in Estonia. In: Proceedings of the RSPCA/Eurogroup for Animal Welfare conference: RSPCA/Eurogroup for Animal Welfare conference "European Union Accession: the future of animal welfare", Brno, Czech Republic, 10-12 June 1998. Horsham, West Sussex, United Kingdom: RSPCA, 1998, 28 - 31.

Aland, Andres, Veermäe, Imbi, Poikalainen, Väino, Praks, Jaan (1998). Lüksilehmade pidamise mõju käitumisele. Toitumis- ja puhkamiskäitumine lõaspidamisel soojustatud laudas ning vabapidamisega külmlaudas. In: Veterinaarmeditsiin '98: Veterinaarmeditsiin '98, Tartu, 17-19 September 1998. (Eds.) T. Tiirats. Tartu: Eesti Loomaarstide Ühing ja OÜ Farmax, 1998, 30 – 36.

Aland, Andres (1997). Comparative evaluation of two types of stall partition. In: Proceeding of the 9th International Congress in Animal Hygiene : 9th International Congress in Animal Hygiene, Helsinki, Finland, 17-21 August 1997. (Eds.)H. Saloniemi. Helsinki: Tummavuoren Kirjapaino Oy, 1997, 76 - 79.

Aland, Andres (1996). Uut tüüpi aseme külgiirete mõju veiste territoriaalsele käitumisele lõaspidamisel. In: Teadustööde kogumik: Professor Johannes Kaarde 100: Professor Johannes Kaarde 100, Tartu, 31 mai 1996. (Eds.)A. Nummert, J. Parre, H. Pärn. Tartu: Eesti Põllumajandusülikool, 1996, 81 – 86.

Aland, Andres (1995). Põllumajandusloomade käitumiselaste katsete planeerimise põhiprintsiibid. In: Veterinaarmeditsiin '95: Veterinaarmeditsiin '95, Tartu, 27-29 September 1995. (Eds.)T. Lepp. Tartu: Eesti Loomaarstide Ühing, 1995, 222 - 225.