



Recent advances in animal welfare science
UFAW Animal Welfare Conference
York Merchant Adventurers' Hall, 30th June 2010

Posters:

GS Al-Abry, IY Mahmood, SN Al-Bahry and GE Mann (University of Nottingham, UK and Sultan Qaboos University, Oman)

The effect of age and season on cortisol levels during transport of Omani goats

M Bestman and JP Wagenaar (Louis Bolk Institute, The Netherlands)

Health and welfare in organic laying hens

SJ Bridgewater and JE Lock (Hartpury College, UK)

Animals in art: A comparative study on perception of animal welfare in art galleries

E Briefer and AG McElligott (Queen Mary University of London, UK)

Mother-young acoustic recognition in goats: A unidirectional or mutual process?

S Buijs, LJ Keeling, S Rettenbacher and FAM Tuytens (Institute for Agricultural and Fisheries Research, Belgium, Swedish University of Agricultural Sciences, Sweden and University of Veterinary Medicine, Vienna, Austria)

Glucocorticoid excretion in rabbits before and after transport – influence of environmental enrichment and cage size

A Catlett, F Lacey and K Danielli (Covance Laboratories Ltd., UK)

Using safety nets to refine routine health screening for *Cynomolgus* macaques after ketamine sedation

C Clark, M Mendl, J Jamieson, A Arnone and J Murrell (University of Bristol, UK)

Do painful and stressful experiences in neonatal lambs lead to prolonged alterations in pain sensitivity?

P Coluccio, A Giammanco, M Russo and A Passantino (University of Messina, Italy)

Pet welfare: What Italy does

P Coluccio, A Giammanco, M Russo and A Passantino (University of Messina, Italy)

Pet protection during euthanasia: Recent advances in Italy

APM Crespo, JD Ferreira, L Tibério, APS Pereira and N Carolino (Escola Superior Agrária/Instituto Politécnico de Santarém, Jardim Zoológico de Lisboa and Estação Zootécnica Nacional, Portugal)

Environmental enrichment for cougars (*Puma concolor*) in Lisbon Zoo

LM Dixon and JJ Cooper (University of Lincoln, UK)

Assessing the motivation of pet rabbits using consumer demand techniques: Are commercially available hutches too small?

RD Donald, KMD Rutherford and AB Lawrence (Scottish Agricultural College, UK.)

Effect of Azaperone on the behaviour of pigs in an elevated-plus-maze

E Downing (Waltham Centre For Pet Nutrition, UK)

Training the research animal to non-invasive solutions to research problems

JL Edgar, CCA Clark, ES Paul and CJ Nicol (University of Bristol, UK)

Are ewes affected by castration and tail docking of their lambs?

S Evans and A Twigg-Flesner (Hartpury College, UK)

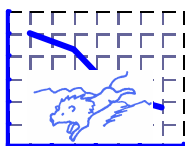
An investigation into the perception of herbal supplement use and safety amongst horse owners

V Fajks (Hadlow College, UK)

Aetiology, extinction and prevention of an acquired operant stereotypy in a California sea lion (*Zalophus californianus*)

A Swart and M Farrell (Hartpury College, UK)

The effect of straw quantity and frequency of provision on grower pig behaviour



Recent advances in animal welfare science
UFAW Animal Welfare Conference
York Merchant Adventurers' Hall, 30th June 2010

G Feenders and M Bateson (Newcastle University, UK)

How much does hand-raised change the behaviour of captive starlings?

L Forster¹, S Corr¹, CM Wathes¹ and C Bessant

(Royal Veterinary College and Feline Advisory Bureau, UK)

Demographical features, rehabilitation and behavioural changes in client-owned domestic cats after limb and/or tail amputation

CA Hosie, TE Smith, R Coleman, LU Sneddon and A O'Bryan (University of Chester, UK)

Development of non-invasive techniques for assessment of stress in captive amphibians

RE Hutley (Rochester, UK)

A study into the utilisation of space and dominance hierarchy of a bachelor group of Western lowland gorillas (*Gorilla gorilla gorilla*) in captivity

JL Ireland, S McCall, P Clegg, S McKane and GL Pinchbeck (University of Liverpool, UK)

Owners perceptions of quality of life in geriatric horses

J Jamieson, SM Abeyesinghe, M Reiss, D Allen and CM Wathes (Royal Veterinary College, Institute of Education, London and RSPCA, UK)

Evaluating the efficacy of a one-off animal welfare education event; do attitudes and knowledge of school children alter and persist?

K Jayne (University of Plymouth, UK)

Environmental factors and patterns of behaviour in zoo-housed Sumatran tigers, *Panthera tigris sumatrae*

ML Jensvold, G Stadtner and J Buckner (Central Washington University, USA)

Measuring the quality of interactions between chimpanzees and caregivers

R Kay, C Hall, and G Starbuck (Nottingham Trent University, UK)

The use of heart rate variability as an indicator of positive emotion in horses

A Kerr and DCJ Main (University of Bristol, UK)

Development and evaluation of a new educational resource for farm health and welfare planning

J Kiddie, D Pfeiffer, D Mills, W Hayes, R Neville, D Morton and L Collins (Royal Veterinary College, University of Lincoln, University of Birmingham, UK)

Assessing quality of life in kennelled dogs

MC Leach, CA Coulter, CA Richardson and PA Flecknell (Newcastle University and Agenda Group, UK)

Looking in the wrong place – implications for assessing pain and distress in animals

I Madec, JF Gabarrou, C Lecuelle, L Bougrat, F Seurin and P Pageat (Pherosynthese Research Institute and EI Purpan, France)

Poultry in standard housing conditions: is a better life possible?

J McNicholl (University of Adelaide, Australia)

Heat stress in canine athletes

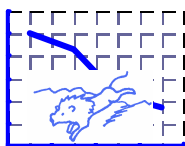
AL Miller, J Roughan and P Flecknell (Newcastle University, UK)

A comparison of abdominal and scrotal approach methods of vasectomy in laboratory mice

GC Miranda-de la Lama, W Sepúlveda, M Villarroel and GA María

(University of Zaragoza, Polytechnic University of Madrid, Spain and Santo Tomas University, Colombia)

Livestock vehicle accidents in Spain: causes, consequences and animal welfare



Recent advances in animal welfare science
UFAW Animal Welfare Conference
York Merchant Adventurers' Hall, 30th June 2010

MA Mitchell, PJ Kettlewell, M Villarroel-Robinson, M Farish, P Barreiro and E Harper (Scottish Agricultural College, ADAS, Boxworth, UK and Escuela Técnica Superior de Ingenieros Agronomos, Spain)

Long distance transportation of breeder pigs - assessing stress and welfare: an integrated approach

EH Ormandy, DM Weary, CA Schuppli and G Griffin (University of British Columbia and Canadian Council on Animal Care, Canada)

Applying social science to animal welfare issues: The use of animals in science

S Paudel, H Baral and K Kaphle

Wild birds under threat from farming activities of Chitwan Valley in Nepal

CJ Phythian, MJ Clarkson, AC Winter, D Grove-White, P Jones, PJ Cripps, E Michalopoulou and JS Duncan (University of Liverpool, UK)

Repeatability of indicators for the assessment of sheep welfare

J Questier and M Beeching (Hadlow College, UK)

A comparison of the general public's and professionals' perceptions of aggression in the domestic dog

CA Richardson, PA Flecknell and M Bateson (Newcastle University, UK)

Assessing anxiety in mice using an automated home cage behavioural analysis system, the Intellicage®

S Rizvi and J Novak (Department for Environment, Food and Rural Affairs, UK)

Welfare assessment of broilers through post-mortem examination

EV Salt and AD Ellis (Nottingham Trent University, UK)

Preliminary investigation into management and condition of *Equidae* at livestock markets during a period of economic downturn

E Sayer and G White

An investigation into the effects housing has on the behavioural repertoire of the domesticated rabbit (*Oryctolagus cuniculus*)

J Tind Sørensen, H Houe, P Sandøe and M Vaarst (University of Aarhus, University of Copenhagen and Danish Centre for Bioethics and Risk Assessment Denmark)

Animal based welfare assessment - should it replace or supplement production system regulation?

DL Teixeira, G Miranda-de la Lama, M Villarroel, J Escos, S Alierta and GA María (University of Zaragoza, Polytechnic University of Madrid and E.T.S.I.A. Spain)

The effect of the straw bedding on the stereotypes and social interactions of light lambs

E Van Poucke, S Buijs and F Tuytens (Institute for Agricultural and Fisheries Research Belgium)

Effect of space availability and environmental enrichment on rabbit bone strength

CFI Watson, CA Caldwell and HM Buchanan-Smith (University of Stirling, UK)

Does the audio playback of conspecific chirp calls improve the welfare of captive marmosets (*Callithrix jacchus*)?

CA Weeks, SN Brown, A Butterworth, TG Knowles, G Richards and LJ Wilkins (University of Bristol, UK)

Development of a protocol for the assessment of hens for fitness to travel

ML Wiseman-Orr, EM Scott and AM Nolan (University of Glasgow, UK)

The development and testing of a novel instrument for the on-farm measurement of health-related quality of life of grower-finisher pigs

D Wolfenden, C Hosie and LU Sneddon (Reaseheath College and University of Chester, UK)

Does transport of ornamental fish cause stress?