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JOINT POSITION PAPER ON THE ANIMAL WELFARE IMPLICATIONS OF ANIMAL BEHAVIOURAL MODIFICATION, TRAINING METHODS, AND ABILITY TO EXPRESS SPECIES-SPECIFIC BEHAVIOURS

Executive Summary

This position paper gives examples of the relationships between animal behaviour, animal training and animal welfare, with recommendations for promoting and ensuring good practices. We recognise and promote the importance and relevance of animal behaviour to animal welfare and the veterinary profession. The paper has a particular focus on companion animals and horses. It serves as an introductory paper for further species-specific position papers on behaviour-related issues, both for these animal groups and others.

Animal behaviour is important to the veterinary profession, both for assessing animal welfare and in providing for good welfare. In clinical veterinary practice, for example, altered behaviour (e.g., an abnormal gait or posture) can be an important clinical sign of a health problem or pain. Other kinds of behaviour, such as social, comfort and abnormal repetitive behaviours and play may be used as part of a composite welfare assessment to evaluate an animal's welfare state.

The ability to perform certain behaviours is important for achieving good animal welfare and is a necessary part of an animal's psychological well-being. Preventing highly motivated behaviour can result in feelings of frustration and poor welfare. Conversely, supporting normal and natural behaviours such as species-specific social opportunities, foraging/food-seeking behaviours and play behaviours, can result in positive emotional experiences and good welfare. Animal behaviour offers a means of recognising emotional states in animals, such as their ability to feel positive and negative emotions, to feel pain, and to feel empathy for their conspecifics and for other species. It also offers a means of recognising, and allowing the expression of, animals' cognitive abilities.

With these links between animal behaviour and welfare in mind, and in seeking to drive animal welfare improvements, we make 14 recommendations under the headings of: preventative behavioural medicine; socialisation and habituation; training; opportunities to perform normal behaviour; undesirable ('problem') behaviour; and accreditation of animal behaviourists and trainers. These recommendations include our calls for EU-wide bans on medically unnecessary and

painful procedures, such as cosmetic tail docking and ear cropping, and on the sale and use of electric pulse training devices, such as shock collars for dogs.

Table of contents

Executive Summary 1

Summary of Recommendations 2

Background and scope 4

Veterinary responsibilities to animal behaviour and training 5

Preventative behavioural medicine 6

Animal origins and acquisition 6

Socialisation and habituation 7

Training 7

Opportunities to perform normal behaviour 9

Behavioural first aid 10

Undesirable ('problem') behaviour 10

Clinical behavioural expertise 11

Accreditation of animal behaviourists and trainers 11

References 12

Summary of Recommendations

Recommendation 1

FVE, FECAVA, FEEVA and WSAVA call for universal guidance to ensure the welfare of animals in breeding establishments, including the provision of complex, species-appropriate environments; opportunities for species-specific behavioural expression; opportunities for appropriate interspecific interactions, including good relationships with humans; and individual limitations on number of permitted pregnancies.

Recommendation 2

We call for a ban on medically unnecessary and painful procedures, such as those performed for cosmetic reasons. As well as being painful, such procedures, may have long-term effects on future health and behaviour, particularly if performed during the neonatal period.

Recommendation 3

All those with responsibility for young animals, such as breeders, retailers and companion animal caretakers, should ensure that the animals are gradually exposed to sights, sounds, scents and experiences (including handling) that they are likely to encounter as adults. This exposure should be done with consideration given to the species concerned, individual responses, and ensuring the experience is positive and enjoyable for the young animal.

Animals should be relaxed, and not be stressed or fearful. These experiences are particularly important during the first four months for puppies, the first two months for kittens, the first three weeks for rabbits, and the first 5 months for foals. It is recommended to do this in a structured way; for example, by using a socialisation plan. Companion animal veterinary practices should provide education about socialisation and, when possible, offer socialisation classes for vaccinated puppies and familiarisation visits for kittens, as part of their preventive behavioural medicine service.

Recommendation 4

Veterinary education should ensure veterinary professionals are competent in a range of welfarefriendly animal handling techniques to minimise stress, fear, anxiety and pain during veterinary procedures; have a solid understanding of learning theory; and are able to advise clients, trainers and animal caretakers on the pros and cons of different training methods

Recommendation 5

Training methods used for animals should be evidence-based, behaviourally appropriate for the species and grounded in an understanding of learning theory. Veterinary professionals should apply

and advocate the use of humane, effective training methods (e.g., positive reinforcement) that support good animal welfare, and ensure these methods are used by trainers they recommend to their clients. We do not support the use of training techniques for any animals based on the application of outdated dominance theory or on physical punishment.

Recommendation 6

Equipment and techniques used for training purposes should not cause an animal pain, distress, and should not put animals into unnatural body postures.

Recommendation 7

We call for a complete ban on the sale and use of electric pulse training devices, such as electric shock collars for dogs or goads used to deliver an electric shock.

Recommendation 8

We call for regulations and guidance that safeguard animal welfare and promote humane training techniques and welfare-friendly handling, applicable to all types of sport, showing or competing of animals where training has been required.

Recommendation 9

Animals under human care should experience a Good Life^{26, 27}, with opportunities for positive welfare experiences, such as comfort, pleasure, interest, confidence and the ability to make choices, alongside excellent health outcomes. All living environments that animals are kept in should allow for the performance of highly motivated species-specific behaviours; this includes, for example, in horses regular turn out to pasture, adequate grazing time and species-appropriate social contact, unless veterinary advice would not allow to.

To this end, we support the '3Fs' of equine welfare: Freedom, Friendship and Forage³². These behavioural opportunities are necessary for an animal's psychological wellbeing and are necessary provisions for animal-using activities (such as keeping and using animals for companionship or sport) to retain their social licence.

Recommendation 10

Highly restrictive living environments and practices that preclude most movement during an animal's life (such as long-term tethering of single horses and dogs – i.e., tying to restrict their movement) should be banned. The only exception may be if such an environment is a necessary and temporary part of an individual animal's treatment by a veterinarian.

Recommendation 11

Veterinary undergraduate training should foster the recognition of normal and abnormal behaviour (including the widespread use of validated pain assessment tools and behavioural signs of positive and negative emotional states in animals) across a range of species and the provision of behavioural first aid. Additional optional teaching should be available for those streaming in relevant fields on how to counsel and communicate with caretakers on behaviour issues; and when to seek referral, and to whom.

Recommendation 12

All those with responsibility for animals should receive training (ideally compulsory and prior to acquiring an animal) to understand and provide for species-specific needs (including behavioural needs), recognise normal and abnormal behaviours and know where to seek ethical, evidence-based advice (such as from veterinary professionals) to address it.

Recommendation 13

Animals of any species showing behavioural indicators of stress and pain or displaying repetitive recognised conflict behaviours should not be used for further training, showing or competing until the cause is resolved. The veterinary profession should advocate that the presence of such behaviours should not be accepted as "normal" within an animal-using industry and may be indicators of clinical pathology. Equally, care should be taken to acknowledge and raise awareness

that animals can also suffer from stress and pain with subtle recognisable behavioural indicators, such as in a proportion of horses with gastric ulcers²⁰.

Recommendation 14

We recognise the essential services offered by suitably qualified and ethical animal behaviourists and animal trainers, working collaboratively with veterinary professionals to help protect animal welfare and the human-animal bond. We call for regulation of animal behavioural and training services, to ensure those working as animal behaviourists and trainers adhere to minimum standards and are using humane, evidence-based techniques, as is done in the field of veterinary behavioural medicine at specialist level. Accreditation of animal behaviourists and trainers, based on competency assessments, continuing education, registration and supported by a transparent disciplinary system, should be progressed internationally.

Background and scope

This position paper gives examples of the relationships between animal behaviour, animal training and animal welfare, with recommendations for promoting and ensuring good practices. We recognise and promote the importance and relevance of animal behaviour to animal welfare and the veterinary profession. The paper has a particular focus on companion animals and equids. It serves as an introductory paper for further species-specific position papers on behaviour-related issues, both for these animal groups and others.

Animal behaviour is important to the veterinary profession, both for assessing animal welfare and in providing for good welfare. In clinical veterinary practice, for example, altered behaviour (e.g. an abnormal gait or posture) can be an important clinical sign of a health problem or pain. Other kinds of behaviour, such as social, comfort and abnormal repetitive behaviours and play¹² may be used as part of a composite welfare assessment to evaluate an animal's welfare state³.

The ability to perform certain behaviours is important for achieving good animal welfare and is a necessary part of an animal's psychological wellbeing. Preventing highly motivated behaviour can result in feelings of frustration and poor welfare. Conversely, supporting normal and natural behaviours such as species-specific social opportunities, foraging/food-seeking behaviours, urinating and defecating behaviours, and play behaviours, can result in positive emotional experiences and good welfare^{4,5}. Providing opportunities for these behaviours contribute to a Good Life^{26, 27} for kept animals, incorporating the Five Domains paradigm³⁸. Animal behaviour offers a means of recognising emotional states in animals, such as their ability to feel positive and negative emotions, to feel pain, and to feel empathy^{2,9} for their conspecifics and for other species. It also offers a means of recognising, and allowing the expression of, animals' cognitive abilities.

Undesirable animal behaviour that is problematic for animal caretakers (such as house-soiling or scratching furniture), which may indicate an animal's stress or be normal for that individual, can result in a breakdown of the human-animal bond, with negative impacts on animal welfare.

A 'problem behaviour' may be:

- Any behaviour that could indicate reduced animal welfare, such as fear-related behaviour (particularly if sustained), conflict behaviour (stress-induced behaviour arising from conflicting motivations and behaviours arising from an inability to cope with mental or physical discomfort, e.g. repeated attempts by horses to buck, leap or even rear up on their hind legs), pain-related behaviour or separation-related behaviour indicating anxiety
- Any behaviour identified by the caretaker as detrimentally affecting the caretaker's lifestyle or the lifestyle of the people or other animals around them.
- Any behaviour that creates implications for the animal's welfare e.g., avoidable re-homing or a breakdown in the human-animal relationship

Animal behaviour problems are well recognised as being a significant threat to the good welfare of animals, and in some cases may also pose a threat to human safety and wellbeing. Any change in an animal's behaviour could be caused by pain, an underlying physical or psychological disease state (such as hepatic disease). Therefore, it is important to consult a veterinarian to work towards

understanding and addressing any problem behaviour as well as the underlying cause of the behaviour, which needs, as far as possible, to be identified and resolved.

Veterinary responsibilities to animal behaviour and training

Veterinary responsibilities to animal behaviour fall broadly into three categories:

- 1. Preventative behavioural medicine: The prevention of animal behaviour problems by provision of education and advice, e.g. on normal behaviour and species-specific welfare needs; socialisation and habituation of young animals; minimal stress handling; humane, evidence-based training. Prepurchase consultations, for people thinking of acquiring an animal, provide a good opportunity for giving this advice³⁵.
- 2. Behavioural first aid: First-opinion practitioners are often asked about problem animal behaviour or may suspect problem behaviour from a caretaker's comment during a clinical consultation, or their answers to routine screening questionnaires or during wellness consultations³⁴. While first-opinion veterinarians would not be expected to provide specialist advice on behaviour modification or medication, they should nevertheless recognise the potential risks of problem behaviours (for both animal welfare and public safety), check for possible underlying causes (e.g. pain) and they should be able to offer reliable and practical first aid advice. Referral to an accredited clinical animal behaviourist, a veterinary behaviour specialist or to the Diplomates of the European College of Animal Welfare and Behavioural Medicine may follow.
- 3. Clinical behavioural expertise: The analysing and interpreting of behaviours to identify triggers of problem behaviours and developing strategies for the long-term to modify and manage behaviour problems.

How an animal's behavioural needs are provided for (e.g., through providing a stimulating, species-appropriate living environment), and how desired behaviour is achieved (e.g., through humane, evidence-based behavioural modification) are linked to recognised animal welfare benefits and risks throughout an animal's life.

Preventative behavioural medicine

Animal origins and acquisition

An animal's future behaviour is influenced by their genetic make-up, their experiences through life, and especially their early-life experiences. Temperament traits such as confidence and anxiety have been shown to have a level of heritability and may influence later behaviour. Additionally, both the mother's experience while pregnant and the perinatal environment may influence later behaviours. In the case of companion animals, it is important to obtain an animal from a reputable breeder, raising animals bred from temperamentally stable parents in a good environment, is importants. Similarly aversive experiences during early life, such as pain, stress, early weaning, or a lack of environmental complexity will also affect development and influence later behaviour. Inflicting deliberate harmful experiences such as cosmetic tail docking or ear cropping during this neo-natal period has been shown to influence pain sensitivity throughout life. Likewise for horses and livestock, stressful experiences during pregnancy have been shown to influence the behaviour and responses of the offspring to adverse experiences such as pain, i.e. young animals born to stressed mothers are more likely to have increased sensitivity to pain, show anxiety behaviours and be more likely to develop abnormal behaviours.

Recommendation 1

FVE, FECAVA, FEEVA and WSAVA call for universal guidance to ensure the welfare of animals in breeding establishments, including the provision of complex, species-appropriate environments; opportunities for species-specific behavioural expression; opportunities for appropriate interspecific interactions, including good relationships with humans; and individual limitations on number of permitted pregnancies.

Recommendation 2

We call for a ban on medically unnecessary and painful procedures, such as those performed for cosmetic reasons. As well as being painful, such procedures, may have long-term effects on future health and behaviour, particularly if performed during the neonatal period.

Socialisation and habituation

Young animals go through an important "sensitive" period of development, during which exposure to other animals and people (socialisation) and objects and experiences (habituation and familiarisation) influences how they will react to future similar situations^{36,37}. As an example, this sensitive period in dogs and cats is marked by a willingness to approach and investigate, while its end coincides with the appearance of fear-related behaviours in response to novel stimuli. Gradually exposing young foals to everyday management and sights, sounds and scents, and to a variety of people and to other animals (including appropriate handling), will help them to become sociable, outgoing, well-adjusted adults 40,41. For foals transported during this time this is of particular concern for example if the dams are sent for recovering with 'foal at foot'. Raising any young animals without these experiences is a risk factor for the development of problem behaviour in later life, which compromises the human-animal bond, harms an animal's psychological wellbeing and can lead to relinquishment, or even to requests for euthanasia. Exposure should be gradual (in number and intensity), so that unfamiliar experiences do not themselves elicit fear responses. Particularly important periods for socialisation and habituation are the first four months for puppies, first two months for kittens³⁷, the first three weeks for rabbits, and the first 5 months for foals⁴², though it is important that positive experiences and interactions continue after these ages Many companion animal veterinary practices offer socialisation classes for vaccinated young puppies, or familiarisation visits for kittens (a single kitten or litter visiting with their caregiver), to provide caretakers with information about training and preventive healthcare. Individual animals' needs and preferences should be provided for, with competent supervision, so that less confident animals are not overwhelmed. "Socialisation classes", can imply more structured interactions than the sometimes used "puppy parties".

Recommendation 3

All those with responsibility for young animals, such as breeders, retailers and companion animal caretakers, should ensure that the animals are gradually exposed to sights, sounds, scents and experiences (including handling) that they are likely to encounter as adults. This exposure should be done with consideration given to the species concerned, individual responses, and ensuring the experience is positive and enjoyable for the young animal. Animals should be relaxed, and not be stressed or fearful. These experiences are particularly important during the first four months for puppies, the first two months for kittens, the first three weeks for rabbits, and the first 5 months for foals. It is recommended to do this in a structured way; for example, by using a socialisation plan. Companion animal veterinary practices should provide education about socialisation and, when possible, offer socialisation classes for vaccinated puppies and familiarisation visits for kittens, as part of their preventive behavioural medicine service.

Training

Whereas socialisation and habituation relate to animals becoming accustomed to typical living environments through early exposure to key elements, training refers to the active and deliberate process of teaching new behaviours using learning theory. For example, a dog returning when called, a horse performing movements for competition, or a military or assistance animal undertaking a specific task.

Training utilises associative learning – the animal learns a new behaviour due to associating that behaviour with a consequence. It includes classical conditioning where a cue triggers an emotional or physiological response (e.g. Pavlov's bell was paired with food to elicit an automatic food anticipation/salivation response), or operant conditioning where a cue triggers a learned response, e.g. asking a dog to 'sit' results in the dog sitting down.

Training methods based on outdated understanding of ethology, which may be both ineffective and inhumane, must be discouraged and not justified as being 'traditional', e.g. the use of the whip in horses, if it is used as a punishment or by whipping the limbs to induce exaggerated leg flexion/ movement in dressage exercises. For example, dog behaviour was traditionally explained in terms of a dominance hierarchy, in which dogs are proposed to seek "status" and "dominance" over their caretakers. Based on this approach, traditional training methods aimed to "keep dogs in their place", for example, through the use of stressful physical restraint and punishment. Using dominance as the rationale for applying punitive training methods to domesticated animals has been discredited by veterinary behaviourists and other scientists^{21, 22, 23, 24, 25}. Veterinarians should ensure that they have a current and evidence-based understanding of animal behaviour. Training based on humane principles such as pairing desired behaviours with carefully timed rewards can be stimulating, effective and enjoyable, contributing to good welfare. Training based on negative reinforcement, e.g., verbal or physical punishment, relies on fear and stress, which can reduce quality of life and inhibit learning 11,12. Contemporary training should be ethical and effective, and it should be based on the application of learning theory and should make use of humane methods. While negative reinforcement (punishment-based) approaches can achieve desired results and may be the traditional approach for some animal trainers or in some disciplines, veterinarians should understand the basic principles of animal learning theory (e.g., positive vs. negative reinforcement) and advocate for humane, effective training methods (e.g. positive reinforcement) as part of their responsibility to promote good animal welfare. Animal training should lead to improved human safety as well as good animal welfare. For example, the British Equine Veterinary Associating (BEVA) has produced a series of short videos providing quick and simple ways of teaching horses to be quiet, relaxed and safe for injections, clipping, worming, examinations and other veterinary procedures (HERE). Equipment and devices that cause pain or discomfort to modify behaviours, such as electric shock collars for dogs and cats, or tight nosebands for horses, should not be used_{7.17,30,39} and should be strongly discouraged by all veterinarians and other allied professionals. We note and support the position of the European Society for Veterinary Clinical Ethology³⁰, calling for an EU-wide ban on the sale, use, distribution and promotion (including internet sale and promotion within Europe) of electric shock collars ('e-collars'), that is immediately applicable in all Member States.

For training sessions to be most effective, horses and dogs should be in an appropriate level of arousal^{43,44}. Learning is impaired when an animal is stressed or excited, as circulating cortisol inhibits memory and learning. Complex learning goals such as training horses for riding should be broken down into progressive small steps. Training must be tailored to an individual animal's abilities, and training programmes should be re-evaluated if stress or frustration occurs.

Recommendation 4

Veterinary education should ensure veterinary professionals are competent in a range of welfarefriendly animal handling techniques to minimise stress, fear, anxiety and pain during veterinary procedures; have a solid understanding of learning theory; and are able to advise clients, trainers and animal caretakers on the pros and cons of different training methods.

Recommendation 5

Training methods used for animals should be evidence-based, behaviourally appropriate for the species and grounded in an understanding of learning theory. Veterinary professionals should apply and advocate the use of humane, effective training methods (e.g., positive reinforcement) that support good animal welfare, and ensure these methods are used by trainers they recommend to their clients. We do not support the use of training techniques for any animals based on the application of outdated dominance theory or on physical punishment.

Recommendation 6

Equipment and techniques used for training purposes should not cause an animal pain, distress, and should not put animals into unnatural body postures.

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We call for a complete ban on the sale and use of electric pulse training devices, such as electric shock collars for dogs or goads used to deliver an electric shock.

Recommendation 8

We call for regulations and guidance that safeguard animal welfare and promote humane training techniques and welfare-friendly handling, applicable to all types of sport, showing or competing of animals where training has been required.

Opportunities to perform normal behaviour

The behavioural repertoires of many domestic animals remain little changed from their wild ancestors, despite selective breeding and domestication. Many evolutionarily important behaviours retain a strong internal motivation, even when an animal has been born and raised in their captive environment and the outcome of the behaviour is not required in the captive environment. For example, many cats are highly motivated to scratch as a form of communication to other cats, even when kept singly indoors. Horses are evolved to be highly social and spend much of their time engaged in selective grazing. Preventing these behaviours – so-called "behavioural needs" – causes stress, frustration and contributes to poor animal welfare.

Frustration of behavioural needs can stimulate behavioural pathology or the development of abnormal behaviours. Some behaviours are valued by animals for contributing to positive wellbeing; for example, play, allogrooming/allopreening and the ability to make choices; for example, to be provided with different options for where they rest, or to have the option of being outdoors or indoors. Providing opportunities for these behaviours contributes to a Good Life^{26,27} for kept animals. (For application of these principles to farmed animals, see the 2021 FVE position papers: *Moving towards more animal welfare-friendly systems for laying hens* HERE and *Moving towards more welfare-friendly farrowing systems* HERE).

Recommendation 9

Animals under human care should experience a Good Life^{26, 27}, with opportunities for positive welfare experiences, such as comfort, pleasure, interest, confidence and the ability to make choices, alongside excellent health outcomes. All living environments that animals are kept in should allow for the performance of highly motivated species-specific behaviours; this includes, for example, in horses regular turn out to pasture, adequate grazing time and species-appropriate social contact, unless veterinary advice would not allow to. To this end, we support the '3Fs' of equine welfare: Freedom, Friendship and Forage³². These behavioural opportunities are necessary for an animal's psychological wellbeing and are necessary provisions for animal-using activities (such as keeping and using animals for companionship or sport) to retain their social licence.

Recommendation 10

Highly restrictive living environments and practices that preclude most movement during an animal's life (such as long-term tethering of single horses and dogs - i.e., tying to restrict their movement) should be banned. The only exception may be if such an environment is a necessary and temporary part of an individual animal's treatment by a veterinarian .

Behavioural first aid

Undesirable ('problem') behaviour

Kept animals may behave in ways that caretakers find unwelcome and do not fit with a caretaker's expectations or hopes. Such behaviour can be problematic for a caretaker and can lead to impaired quality of life, both for the animal and caretaker. Undesirable animal behaviour can be a normal

behaviour, such as a vocalisation (e.g., a barking dog) or a horse's fear towards novel objects or places); or an abnormal repetitive behaviour (e.g., a crib-biting horse). Abnormal repetitive behaviours may be due to behavioural frustration, a failure to cope with inappropriate stressors, an underlying medical condition (e.g. pain), or central nervous system pathology¹³. It is essential that the cause of the abnormal behaviour is investigated – by a veterinarian in the first instance, to rule out medical causes - and ameliorated. Problem behaviours should not simply be prevented, e.g., by declawing a scratching cat or using cribbing collars, as preventing the behaviour removes the mechanism that the animal is currently using to cope, thereby increasing stress, and further reducing welfare.

Undesirable animal behaviour can lead to relinquishment and requests for euthanasia. It can be a cause of poor animal welfare, either from the underlying emotional motivation (e.g., stress causing a cat to eliminate indoors) or from a caretaker's attempts to stop it (e.g., using punishment or devices such as cribbing collars). Experiences during the sensitive socialisation and habituation periods (see above) for young animals are important for helping prevent the development of many undesirable behaviours (e.g., gradually accustoming a puppy to being left alone, to reduce the risk of separation related behaviours in later life).

The development of undesirable behaviours can also go beyond young age, so care should always be taken to avoid unnecessary stress and gradually accustom animals to new management procedures. Similarly, ensuring that an animal is able to express their normal behavioural repertoire is essential to preventing the behavioural frustration which can trigger the development of abnormal behaviours. It is important for caretakers to observe and understand their animals' normal behaviour, so that changes can be recognised and acted upon if necessary. For example, unresolved stress/pain behaviour has been identified as a priority welfare problem for horses. Behavioural indicators of stress and pain may not be recognised by equine caregivers and can be misinterpreted as a horse being 'naughty' 15,16; similarly, across various species, these behaviours may be perceived as 'cute' or 'funny' 28.

Recommendation 11

Veterinary undergraduate training should foster the recognition of normal and abnormal behaviour (including the widespread use of validated pain assessment tools and behavioural signs of positive and negative emotional states in animals) across a range of species and the provision of behavioural first aid. Additional optional teaching should be available for those streaming in relevant fields on how to counsel and communicate with caretakers on behaviour issues; and when to seek referral, and to whom.

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All those with responsibility for animals should receive training (ideally compulsory and prior to acquiring an animal) to understand and provide for species-specific needs (including behavioural needs), recognise normal and abnormal behaviours and know where to seek ethical, evidence-based advice (such as from veterinary professionals) to address it.

Recommendation 13

Animals of any species showing behavioural indicators of stress and pain or displaying repetitive recognised conflict behaviours should not be used for further training, showing or competing until the cause is resolved. The veterinary profession should advocate that the presence of such behaviours should not be accepted as "normal" within an animal-using industry and may be indicators of clinical pathology. Equally, care should be taken to acknowledge and raise awareness that animals can also suffer from stress and pain with subtle recognisable behavioural indicators, such as in a proportion of horses with gastric ulcers.

Clinical behavioural expertise

Accreditation of animal behaviourists and trainers

Animal behaviour problems can be worsened by unqualified or inexperienced lay people offering their services as behaviourists or trainers. Such people may use behaviour-modification techniques that are either ineffective and/or inhumane and may not recognise physical or psychological diseases. In some cases, such people have a high-profile media presence and public following, which worsens animal welfare outcomes and makes it harder for ethical training methods to be mainstreamed.

The European College of Animal Welfare and Behavioural Medicine (ECAWBM) is the central body on European level for the accreditation veterinary specialists in both behavioural medicine and animal welfare and serves as important referral service. In addition, animal behaviour modification services are being professionalised in some countries, to protect animal welfare and give confidence to animal caretakers and referring veterinarians. On national level , the Animal Behaviour and Training Council (ABTC) in the UK created minimum training standards for behaviourists, a disciplinary system and a register of accredited practitioners. The ABTC is working alongside the UK's veterinary regulator, the Royal College of Veterinary Surgeons, to explore how the regulation of behaviourists can be strengthened. We welcome this and similar international moves.

Recommendation 14

We recognise the essential services offered by suitably qualified and ethical animal behaviourists and animal trainers, working collaboratively with veterinary professionals to help protect animal welfare and the human-animal bond. We call for regulation of animal behavioural and training services, to ensure those working as animal behaviourists and trainers adhere to minimum standards and are using humane, evidence-based techniques, as is done in the field of veterinary behavioural medicine at specialist level. Accreditation of animal behaviourists and trainers, based on competency assessments, continuing education, registration and supported by a transparent disciplinary system, should be progressed internationally.

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