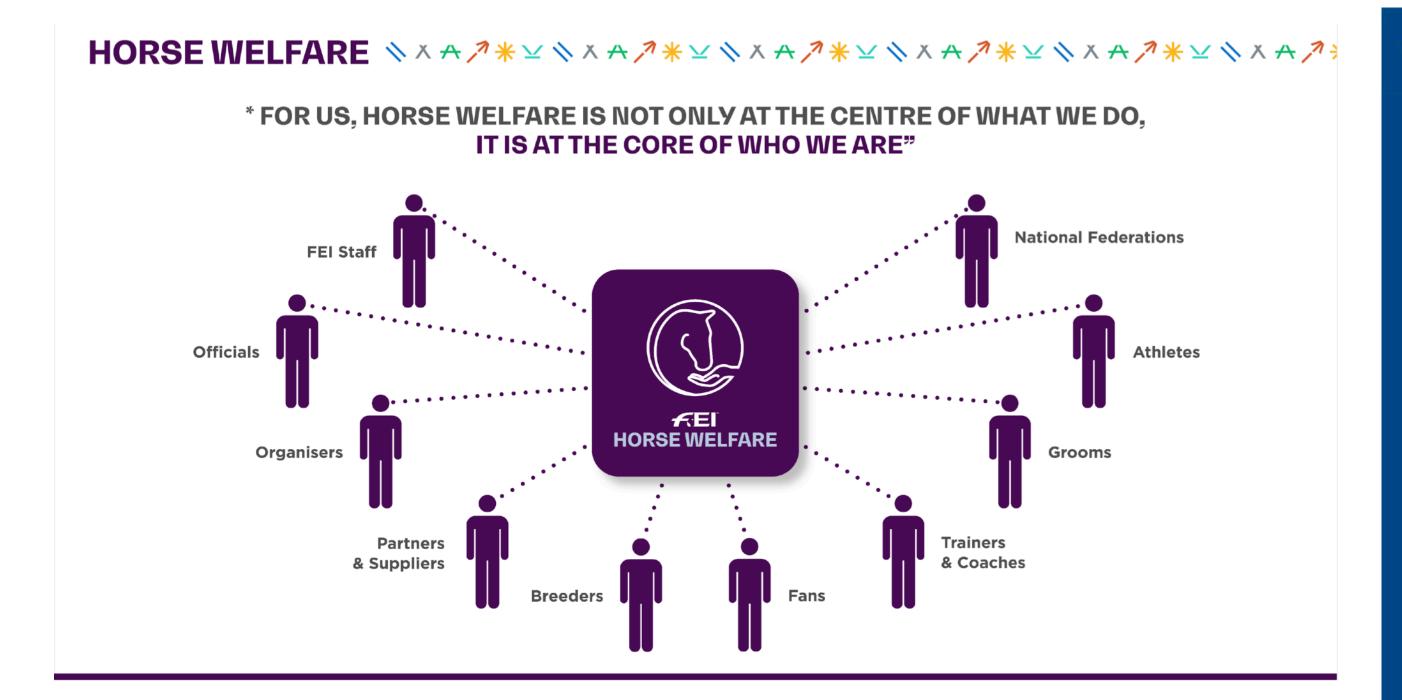
KUIDAS HINNATA HOBUSE HEAOLU?

TÕENDUSPÕHINE RAAMISTIK HOBUSE HEAOLU HINDAMISEKS



FEI HOBUSTE HEAOLU TAGAMISE JUHEND

FEI reeglite kohaselt peavad kõik rahvusvahelised ratsaspordialad järgima FEI hobuste heaolu tagamise juhendit ja tõstma esikohale hobuste heaolu. Hobuse heaolu peab alati olema olulisem sportlike tulemuste saavutamisest või majanduslikest kaalutustest. Hobuse heaolu silmas pidades tuleb järgida järgmisi reegleid:

Üldine heaolu

- 1. Hobuse elutingimused: Hobuse pidamistingimused ja söötmine peavad olema kooskõlas parimate hobusepidamistavadega. Puhas ja kvaliteetne hein, sööt ja vesi peavad olema alati kättesaadavad.
- 2. Treeningmeetodid: Hobuse treening peab vastama tema füüsilistele võimetele ja vanusele. Hobuse suhtes ei tohi kasutada vägivaldseid või temas hirmu tekitavaid meetodeid.
- 3. Rautamine ja varustus: Kapjade hooldus ja rautamine peavad olema tehtud kõrgel tasemel. Varustus peab olema disainitud ja sätitud selliselt, et valu või vigastuse tekkimise oht oleks võimalikult väike.
- 4. Transport: Transpordi ajal peavad hobused olema kaitstud võimalike vigastuste ja muude terviseriskide eest. Transpordivahend peab olema ohutu, hästi ventileeritud, hooldatud, korrapäraselt desinfitseeritud ja pädeva juhiga. Transpordi ajal peab hobustega kaasas olema pädev inimene.
- 5. Transiit: Kehtivate FEI suuniste kohaselt peavad kõik veod olema hoolega läbi mõeldud ning hobustele tuleb pikema transpordi kestel võimaldada korrapäraseid puhkeperioode ja ligipääsu toidule ja veele.

EEF EUROPEAN EQUESTRIAN FEDERATION

The Equine Ethics and wellbeing committee released 24 recommendations this year to bring horse welfare into the forefront of all that we do.....

Here are 5 of the reccomendations we believe ALL National Federations can start actioning now!



Ensure that the horse's interests are always placed before the interests of the human or sport & celebrate equestrians who clearly place their horse's interests before their own



Proactively and positively engage with the public in matters related to equine welfare.

Take a 'zero-tolerance' policy thats prevents, prohibits and punishes any practice that compromises equine welfare and safety during and outside of competition.





HOBUSE HEAOLU

KESKKONNA SÕBRALIKKUS

SOTSIAALNE LITSENTS

KOGUKOND

ÜHISKONDLIK LUBA - MILLEKS SEE VEEL??

Teen, mis tahan? Teisi kahjustamata



GOOD LIFE FOR HORSES

LIFE WORTH LIVING LIFE NOT WORTH LIVING

Mis on HEAOLU?

Freedom from thirst, hunger and malnutrition Freedom Freedom to from express discomfort normal due to behavior for environment the species The 5 Freedoms Freedom Freedom from from fear pain, injury and distress and disease

VIIE VABADUSE MUDEL

HEAOLU - LOOMA KOGEMUS OMA VAIMSEST JA FÜÜSILISEST SEISUNDIST

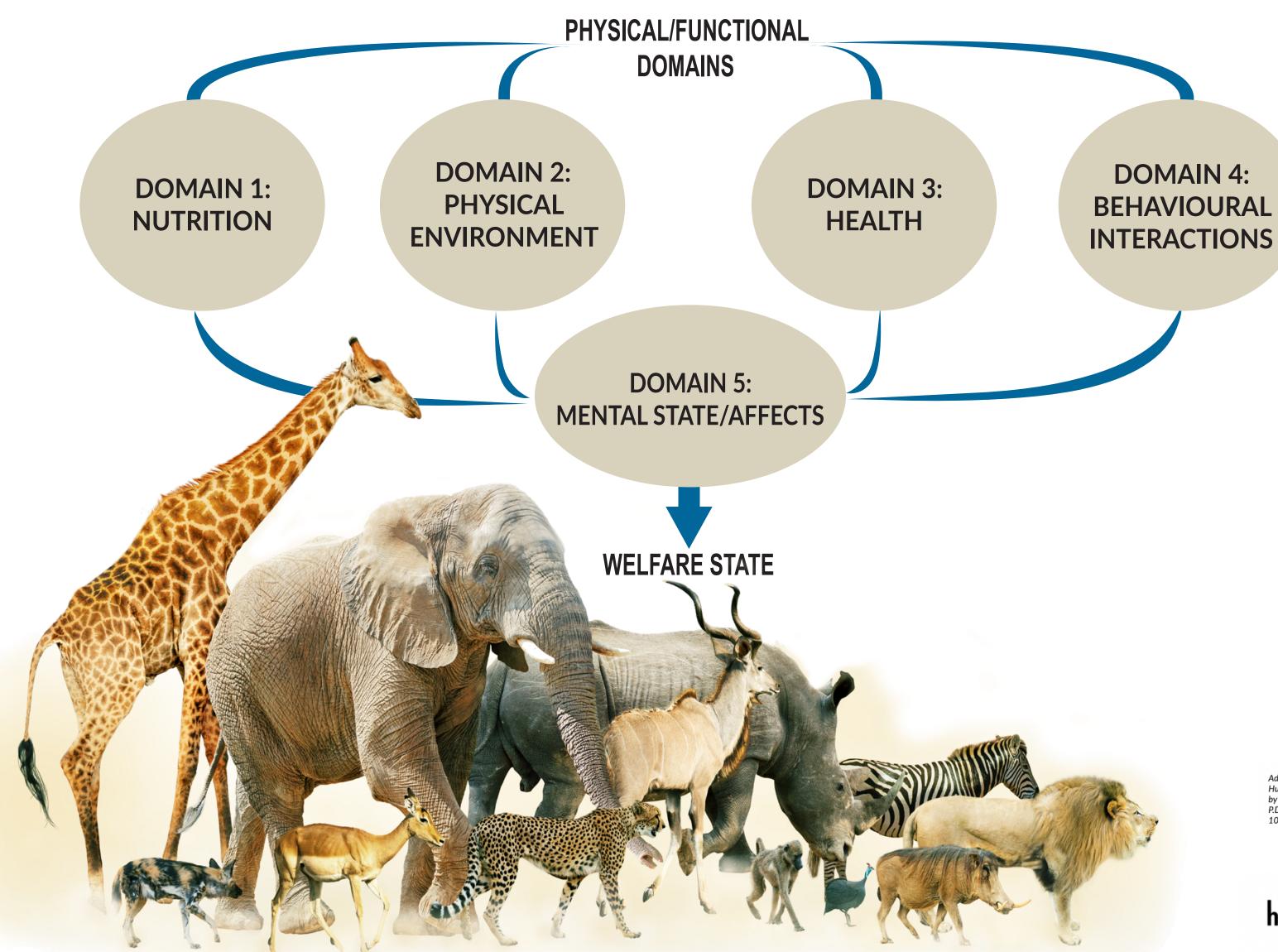
HOBUSE SUBJEKTIIVNE KOGEMUS

télos kr.k

agency ingl.k



Basic Structure of the Model:







Negative Conditions

Presence of:

Injury: acute, chronic, husbandry mutilations

Disease: acute, chronic

Negative a

Pain (many breathlessr weakness, s malaise, na dizziness

Functional impairment: ie to limb amputation, Adapted from: The 2020 Five Domains Model: Including Human-Animal Interactions in Assessments of Animal Welfare, by D.J. Mellor, N.J. Beausoleil, K.E. Littlewood, A.N. McLean, P.D. McGreevy, B. Jones and C. Wilkins. Animals 2020, DOI: 10.3390/ani10101870 her therapies; genetic,

lung, heart, vascular, neural, or



Obesity or leanness: physical and metabolic consequences

Affects of b or thin, and and pathop

Negative Conditions

Positive Conditions



THE FIVE DOMAINS MODEL FOR WELFARE ASSESSMENT horses lead people

Working one domain at a time, consider the conditions and provisions within each domain. and observe the horse, looking for signs that reveal their current physical and mental states.

DOMAIN 1 NUTRITION & HYDRATION



RECOMMENDED **CONDITIONS:**

Free access to familiar clean water, a fibre-based and nutritionallybalanced diet, sufficient food trickle feeding, grazing & browsing, minimum daily salt requirement.

ASSOCIATED POSITIVE **EXPERIENCES**:

Feels comfort from good digestive function, pleasure of tastes & textures, of chewing & drinking.

HIGH RISK

CONDITIONS:

Restricted access

to water, unfamiliar

or polluted water.

Overfeeding,

underfeeding,

fasting periods, low-

fibre, high-energy

or grain-based

diet, exercising on

a stomach that is

empty of fibre.

ASSOCIATED

NEGATIVE

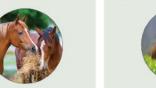
EXPERIENCES:

Feels hunger, thirst,

weakness, digestive

pain & discomfort.

DOMAIN 2 PHYSICAL ENVIRONMENT



RECOMMENDED **CONDITIONS:**

Effective shelter from weather extremes and biting insects, a welldrained, clean and pliable surface in safe resting areas, for comfort and to encourage full sleep cycles.

ASSOCIATED POSITIVE **EXPERIENCES:**

HIGH RISK

CONDITIONS:

Extreme weather

events (floods,

fires, cyclones, heat

waves), hot and

humid conditions,

biting insects, a

lack of ventilation,

noises, vibrations,

odours, and muddy,

unhygienic and hard

surfaces in resting

areas.

ASSOCIATED

NEGATIVE

EXPERIENCES:

Feels discomfort,

overheated,

chilled, tired, sleep-

Feels comfort (thermal, visual, auditory, respiratory comfort). Feels well-



RECOMMENDED **CONDITIONS:**

Preventive health program with vaccinations, strategic worming good biosecurity, regular health and dental checks, hoof care, as well as veterinary care and rest, when needed.

ASSOCIATED POSITIVE **EXPERIENCES:**

Feels comfort of good health, energy, vitality and good functional capacity.

HIGH RISK

CONDITIONS:

Poor biosecurity, no

preventive health

program, lack of

biosecurity, over-

and under-training,

bad or a lack of

hoof and dental

care, veterinary

care, lack of

hygiene, acute or

chronic stress, sleep

deprivation.

ASSOCIATED

NEGATIVE

EXPERIENCES:

Pain, weakness,

breathlessness,

feels vulnerable

exhausted.

DOMAIN 3 **HEALTH & FITNESS**

INTERACTIONS WITH THE **ENVIRONMENT**

RECOMMENDED

CONDITIONS:

Opportunities and

sufficient space

for free exercise.

exploration

and foraging in

space to move

around safely and

avoid injuries.

HIGH RISK

CONDITIONS:

Insuficient space

to move around

safely, restriction

of free exploration,

long periods of

confinement, long

periods (more than

4 hours) without

feeding and

chewing-related

activity.

ASSOCIATED

NEGATIVE

EXPERIENCES

Feels bored,

frustrated, lonely,

hypervigilant,

pessimistic, helpless.

WITH OTHER **ANIMALS**

INTERACTIONS

RECOMMENDED **CONDITIONS:**

company. Sufficient

ASSOCIATED POSITIVE **EXPERIENCES** Feels interested

occupied, energized, safe, feels in control of choices.

DOMAIN 4

RECOMMENDED

Opportunities to be and interact with other horses (physical and visual contact, at a minimum across a safe barrier), opportunities to avoid conflicts, establish and

maintain bonds. ASSOCIATED POSITIVE

EXPERIENCES: Feels secure, protected, confident, sociable, energised, playful.

HIGH RISK

CONDITIONS:

Isolation from

other horses (lack

of physical and

visual contact),

overstocking,

inability to avoid

social conflict,

frequent social

disruptions, artificial

or abrupt weaning.

ASSOCIATED

NEGATIVE

EXPERIENCES:

Feels anxious,

insecure, fearful,

lonely, frustrated,

for company.

exhausted, yearning

INTERACTIONS WITH HUMANS



CONDITIONS:

states, correct use of desensitisation and training methods. Gradual training, clear signals, train for self-carriage. **ASSOCIATED** POSITIVE **EXPERIENCES:**

Feels safe, confident, rewarded optimistic, in control, enjoys

HIGH RISK

CONDITIONS:

Disregard for

emotional state,

errors in timing

of pressures and

reinforcements,

shaping errors,

punishment-based

training, clashing

or blurry signals,

restrictive and ill-

fitting equipment.

ASSOCIATED

NEGATIVE

EXPERIENCES:

Feels anxious, in

pain, insecure,

confused, coerced,

uncertain,

pessimistic, helpless.

Regard for safety and emotional

Negative Conditions		Positive Conditions	
Nutritional inadequacies:	Negative affects:	Nutritional opportunities:	Positive affects:
Restricted water intake Excessive water intake	Thirst Water intoxication	Drink correct quantities of water	Wetting/quenching pleasures of drinking
Restricted food intake	Hunger (general) Hunger (salt) Weakness of starvation	Eat enough food	Postprandial satiety Pleasure of salt taste
Poor food quality Low food variety	Malaise of malnutrition Eating-related boredom	Eat a balanced diet Eat a variety of foods	Pleasures of food tastes, smells/textures Masticatory pleasures
Voluntary overeating	Feeling bloated or overfull	Eat correct quantities of food	Comfort of satiety
Force-feeding, excessive energy intake	Gastrointestinal pain, nausea/malaise		Gastrointestinal comfort

Domain 1: Nutritional Conditions and their Associated Domain 5 Affects

Basic Structure of the Model:

HYSICAL/FUNCTIONAL

DOMAIN 5: MENTAL STATE/AFFECTS

PHYSICAL

DOMAIN 3

HEALTH



The 2020 Five Domains Model for Animal Welfare

Negative Conditions		Positive Conditions	
Presence of:	Negative affects:	Minimal or no:	Positive affects:
Injury: acute, chronic, husbandry mutilations	Pain (many types), breathlessness, debility,	Injury	 Comfort of good health and functional capacity
Disease: acute, chronic	weakness, sickness, malaise, nausea, dizziness	Disease	Comfort of good health and functional capacity
Functional impairment: due to limb amputation, other therapies; genetic, lung, heart, vascular, kidney, gut, neural, or other problems		Functional impairment	Comfort of good health and functional capacity
Obesity or leanness: physical and metabolic consequences	 Affects of being too fat or thin, and of metabolic and pathophysiological sequelae 	Extreme body condition scores	Comfort of good health and functional capacity
Poisons	Many affects due to mode of action	Poisoning	Comfort of good health and functional capacity
Poor physical fitness, muscle de-conditioning	 Physical weakness and exhaustion 	Poor fitness (fitness level good)	Vitality of fitness and pleasurably vigorous exercise

Hobuse pidamine vs hobuse heaolu: FÜÜSILISED / VÄLISED TINGIMUSED LOOVAD VAIMSE (SISEMISE) **HEAOLU**



Domain 2: Physical Environmental Conditions and their Associated Domain 5 Affects

Unavoidable physical conditions:	Negative affects - forms of discomfort:	Enhanced physical conditions:	Positive affects - forms of comfort:
Close confinement; overcrowding Unsuitable substrate, wet/soiled ground	 Physical: general stiffness, muscle tension Physical: musculoskeletal pain, skin irritation 	Space for spontaneous locomotion Suitable substrate, well-drained ground	Physical comfort Physical comfort
Air pollutants: NH ₃ , CO ₂ , dust, smoke	Respiratory: breathlessness, air passage irritation/pain	Fresh air dissipates contaminants	Respiratory comfort
Aversive odours	Olfactory: revulsion at foul or repellent odours	Foul smells dissipated by fresh air & good hygiene	Olfactory comfort
Thermal extremes	Thermal: chilling, dampness, overheating	Effective shelter and shade available	Thermal comfort
Loud or otherwise unpleasant noise	Auditory: impaired hearing or ear pain	Effective noise control measures are in place	Auditory comfort
Light: inappropriate intensity	Visual: eye strain due to flashing, glare or darkness	Light intensity kept at tolerable levels	<i>Visual</i> comfort
Monotony: ambient, physical, lighting	Malaise from unnatural constancy	Within-day environmental variability maintained	Congenial variety and predictability
Unpredictable events	Anxiety, fear, hypervigilance	Predictability achieved by established routines	Relaxation-based ease and calmness
Physical limits on rest and sleep	Exhaustion	Conditions conducive to rest and sleep	· Well rested

Unavoidable physical Negative affects - conditions: forms of discomfort:	Enhanced physical Positive affects - conditions: forms of comfort:
Close confinement; overcrowding Unsuitable substrate, wet/soiled ground Physical: musculoskeletal pain, skin irritation	Space for spontaneous
Air pollutants: Respiratory: breathlessness, NH ₃ , CO ₂ , dust, smoke air passage irritation/pain	Fresh air dissipates Respiratory comfort contaminants
Aversive odours Olfactory: revulsion at foul or repellent odours	Foul smells dissipated by <i>Olfactory</i> comfort fresh air & good hygiene
Thermal extremes Thermal: chilling, dampness, overheating	Effective shelter and shade available
Loud or otherwise Auditory: impaired hearing unpleasant noise or ear pain	Effective noise control measures are in place Auditory comfort
Light: inappropriate Visual: eye strain due to flashing, glare or darkness	Light intensity kept at tolerable levels
Monotony: ambient, Malaise from unnatural physical, lighting constancy	Within-day environmental Congenial variety and variability maintained predictability
Unpredictable events Anxiety, fear, hypervigilance	Predictability achieved Relaxation-based ease by established routines and calmness
Physical limits on rest	Conditions conducive to Well rested rest and sleep

NEGATIVE STATE

The horse cannot resolve all the negative experiences, and has no, or very few, positive rewarding experiences.

Welfare state:

POOR

DOMAIN 5: MENTAL STATE



NEITHER NEGATIVE NOR POSITIVE The horse can resolve all the negative experiences but

Welfare state:

NEUTRAL

has no, or very, few positive rewarding experiences.

POSITIVE STATE

The horse can resolve all the negative experiences and is benefiting from a wide variety of positive rewarding experiences.

> Welfare state: GOOD



The aim of welfare assessment is to monitor your horse, identify changes and opportunities for making improvements. For best results, work on evaluating the welfare state for each domain separately, rather than overall.

The Model emphasises that what matters to animals in welfare terms is their subjective experiences, i.e., their affects. It also recognises that particular physiological mechanisms and specific affects interact dynamically. When the conditions in Domains 1 to 4 give rise to negative affects, they tend to be welfare compromising; when they give rise to positive affects, they tend to be welfare enhancing. Thus, the Model provides a coherent and informative basis for evaluating the welfare significance of different conditions.

Adapted from: The 2020 Five Domains Model: Including Human-Animal Interactions in Assessments of Animal Welfare by D.J. Mellor, N.J. Beausoleil, K.E. Littlewood, A.N. McLean, P.D. McGreevy, B. Jones and C. Wilkins. Animals 2020, DOI:



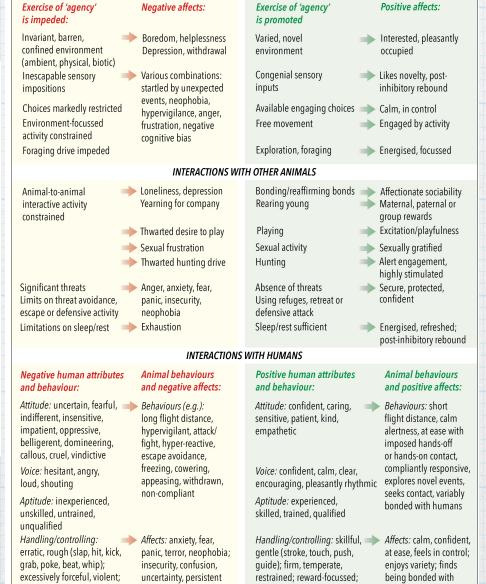
punishment-focussed; more

negative pressure than is

eeded for training objective

pain from injuries;

negative cognitive bias



mimics allo-grooming by

conspecifics; using subtle

pressure cues, secondary

reinforcers and timely release of aversive stimuli

humans rewarding

INTERACTIONS WITH THE ENVIRONMENT

Exercise of 'agency

Domain 1: Nutritional Conditions and their Associated Domain 5 Affects

Negative Conditions	Positive Conditions
Nutritional Negative affects:	Nutritional Positive affects: opportunities:
Restricted water intake Thirst Excessive water intake Water intoxication	Drink correct
Restricted food intake Hunger (general) Hunger (salt) Weakness of starvation	Eat enough food Postprandial satiety Pleasure of salt taste
Poor food quality Low food variety Malaise of malnutrition Eating-related boredom	Eat a balanced diet Eat a variety of foods Eat a variety of foods Masticatory pleasures
Voluntary overeating Feeling bloated or overfu	Eat correct quantities Comfort of satiety of food
Force-feeding, excessive —— Gastrointestinal pain, energy intake nausea/malaise	Gastrointestinal comfort



Domain 2: Physical Environmental Conditions and their Associated Domain 5 Affects

Negative Conditions		Positive Conditions	
Unavoidable physical conditions:	Negative affects - forms of discomfort:	Enhanced physical Positive affects - conditions: forms of comfort:	
Close confinement; overcrowding Unsuitable substrate, wet/soiled ground	 Physical: general stiffness, muscle tension Physical: musculoskeletal pain, skin irritation 	Space for spontaneous locomotion Suitable substrate, well-drained ground Physical comfort Physical comfort	
Air pollutants: NH ₃ , CO ₂ , dust, smoke	Respiratory: breathlessness, air passage irritation/pain	Fresh air dissipates — Respiratory comfort contaminants	
Aversive odours	Olfactory: revulsion at foul or repellent odours	Foul smells dissipated by fresh air & good hygiene	
Thermal extremes	Thermal: chilling, dampness, overheating	Effective shelter and shade available Thermal comfort	
Loud or otherwise unpleasant noise	Auditory: impaired hearing or ear pain	Effective noise control ————————————————————————————————————	
Light: inappropriate intensity	Visual: eye strain due to flashing, glare or darkness	Light intensity kept at tolerable levels	
Monotony: ambient, physical, lighting	Malaise from unnatural constancy	Within-day environmental Congenial variety are variability maintained predictability	
Unpredictable events	Anxiety, fear, hypervigilance	Predictability achieved Relaxation-based early by established routines and calmness	
Physical limits on rest and sleep	Exhaustion	Conditions conducive to Well rested rest and sleep	



Adapted from: The 2020 Five Domains Model: Including Human-Animal Interactions in Assessments of Animal Welfare, by D.J. Mellor, N.J. Beausoleil, K.E. Littlewood, A.N. McLean, P.D. McGreevy, B. Jones and C. Wilkins. Animals 2020, DOI: 10.3390/ani10101870

Domain 3: Health Conditions and their Associated Domain 5 Affects

Negative Conditions

Presence of:

Injury: acute, chronic, husbandry mutilations

Disease: acute, chronic

Functional impairment: due to limb amputation, other therapies; genetic, lung, heart, vascular, kidney, gut, neural, or other problems

Obesity or leanness: physical and metabolic consequences

Poisons

Poor physical fitness, muscle de-conditioning Negative affects:

Pain (many types),
 breathlessness, debility,
 weakness, sickness,
 malaise, nausea,
 dizziness

Affects of being too fat or thin, and of metabolic and pathophysiological sequelae

Many affects due to mode of action

Physical weakness and exhaustion

Positive Conditions

Minimal or no:

Positive affects:

Injury

Comfort of good health and functional capacity

Disease

Comfort of good health and functional capacity

Functional impairment

Comfort of good health and functional capacity

Extreme body condition scores

Comfort of good health and functional capacity

Poisoning

Comfort of good health and functional capacity

Poor fitness (fitness level good) Vitality of fitness and pleasurably vigorous exercise



Domain 4: Behavioural Interactions and their Associated Domain 5 Affects

INTERACTIONS WITH THE ENVIRONMENT Positive affects: Exercise of 'agency' Exercise of 'agency' Negative affects: is impeded: is promoted Invariant, barren, Boredom, helplessness Varied, novel Interested, pleasantly confined environment Depression, withdrawal environment occupied (ambient, physical, biotic) Congenial sensory Various combinations: Likes novelty, post-Inescapable sensory inhibitory rebound startled by unexpected inputs impositions events, neophobia, Choices markedly restricted Available engaging choices Calm, in control hypervigilance, anger, Environment-focussed Engaged by activity Free movement frustration, negative activity constrained cognitive bias Exploration, foraging Energised, focussed Foraging drive impeded INTERACTIONS WITH OTHER ANIMALS Bonding/reaffirming bonds Loneliness, depression Animal-to-animal Affectionate sociability Yearning for company Maternal, paternal or Rearing young interactive activity group rewards constrained Excitation/playfulness Playing Thwarted desire to play Sexual activity Sexual frustration Sexually gratified Alert engagement, Thwarted hunting drive Hunting highly stimulated Absence of threats Significant threats Anger, anxiety, fear, Secure, protected, Limits on threat avoidance, confident panic, insecurity, Using refuges, retreat or escape or defensive activity defensive attack neophobia Sleep/rest sufficient Exhaustion Limitations on sleep/rest Energised, refreshed; post-inhibitory rebound



INTERACTIONS WITH HUMANS

Negative human attributes and behaviour:

Attitude: uncertain, fearful, indifferent, insensitive, impatient, oppressive, belligerent, domineering, callous, cruel, vindictive

Voice: hesitant, angry, loud, shouting

Aptitude: inexperienced, unskilled, untrained, unqualified

erratic, rough (slap, hit, kick, grab, poke, beat, whip); excessively forceful, violent; punishment-focussed; more negative pressure than is needed for training objective

Animal behaviours and negative affects:

Behaviours (e.g.): long flight distance, hypervigilant, attack/ fight, hyper-reactive, escape avoidance, freezing, cowering, appeasing, withdrawn, non-compliant

Affects: anxiety, fear, panic, terror, neophobia; insecurity, confusion, uncertainty, persistent unease; helplessness; pain from injuries; negative cognitive bias

Positive human attributes and behaviour:

Attitude: confident, caring, sensitive, patient, kind, empathetic

Voice: confident, calm, clear, encouraging, pleasantly rhythmic

Aptitude: experienced, skilled, trained, qualified

Handling/controlling: skillful, gentle (stroke, touch, push, guide); firm, temperate, restrained; reward-focussed; mimics allo-grooming by conspecifics; using subtle pressure cues, secondary reinforcers and timely release of aversive stimuli

Animal behaviours and positive affects:

Pehaviours: short flight distance, calm alertness, at ease with imposed hands-off or hands-on contact, compliantly responsive, explores novel events, seeks contact, variably bonded with humans

Affects: calm, confident, at ease, feels in control; enjoys variety; finds being bonded with humans rewarding





This guide is an adaptation of the Five Domains Model of Welfare Assessment and Monitoring that shows how it can be applied to achieve good horse welfare. The model has four physical or functional domains and a mental domain that acknowledges the horse's experience.

The aim for providing good welfare is to achieve physical and functional well-being, as well as give horses the opportunity to experience positive emotions in all areas: nutrition, health, environment, behaviour and interactions with humans.



Nutrition

The physical domain

Restrictions:

Not enough water Not enough food Poor quality food Lack of food variety

Opportunities:

Drink enough water Eat enough food Eat a balanced diet Eating correct quantities Eat a variety of foods



Welfare

The mental domain

Negative experience:

Thirst Hunger (general) Hunger (salt) Malnutrition, malaise Bloated, over full Colic (gastrointestinal pain), gastric ulcers

Positive experiences:

Wetting/quenching and the pleasure of drinking The pleasure of different tastes, smells and textures The pleasure of salt taste

The pleasure of chewing for long periods Post prandial satiety (comfortably full) Gastrointestinal comfort

Health

The physical domain

Signs of ill-health:

Disease (acute, chronic) Injury (acute, chronic, surgery) Functional impairment (due to limb, lung, heart, kidney, neural or other problems). **Poisons** Obesity/leanness

Poor physical fitness (muscle de-conditioning)

Signs of health:

Little or no disease Little or no injuries Little or no dysunctional body systems Well nourished Body condition is appropriate Good fitness level

Minimum

standard of

Care

The mental domain

Negative experience:

Breathlessness Pain (many types) Debility, weakness Sickness, malaise Nausea Dizziness Physical exhaustion

Positive experience:

Comfort of good health and a high functional capacity Vitality and fitness

Welfare



As well as providing for the physical and behavioural needs, how many positive experiences can you make available to your horse on a daily basis?

Environment

The physical domain

Restrictions:

lighting

Thermal extremes
Unsuitable footing
Confinement
Pollutants and odours
Noise
Monotony - ambient,

Opportunities:

variety

Thermally tolerable
Suitable footing
Space for free movement
Fresh air
Noise acceptable
Normal environmental



The mental domain

Negative experience:

Discomfort due to:
Chilling, overheating
Physical pain, skin
irritation, muscle stiffness
and tension.
Breathlessness, auditory
impairment, eye strain
Malaise from unnatural
constancy

Positive experience:

Comfort:
Thermal
Physical
Respiratory
Olfactory, visual
Herd living
Variety related comfort



Behaviour and human interaction

The physical domain

Agency is impeded:

Barren environment Choices markedly restricted Constraints on environmentfocused activities (exploration, grazing)

Constraints on horse-to-horse interactions.

Sleep/rest deprivation
Training confusion
Inconsistent human interaction

Agency:

Varied, novel, engaging environmental challenges Free movement Exploration

Foraging Bonding

Rearing young, sexual behaviour Sufficient sleep/rest Consistent, clear training

The mental domain

Negative experience:

Frustration, loneliness
Boredom, helplessness
Depression
Sexual frutstration
Anxiety, fear, panic, anger
Neophobia
Exhaustion

Positive experience:

Calm, engaged, in control Affectionate sociability Maternally rewarded, sexual gratification, playfullness Secure, protected, confident, likes novelty, energised

Welfare

Minimum

standard of

Care



Five Domains Model for Welfare Assessment

Nutrition

Enough clean water
Enough food
Nutritious, appropriate diet
Food is presented in a
varied, interesting way
Spends time chewing and
foraging

Environment

Can move around, get up and lie down easily
Able to exercise freely
Can avoid environmental extremes
Lives in a complex and stimulating environment

Health

A healthy weight
Free from injury
Free from symptoms
of disease
Free from pain or
distress
Physically fit

Behaviour

Can express a range of important behaviours
Has some control over the environment
Can interact socially with other horses
Can avoid conflicts or threats

MENTAL STATE (Subjective Experience)



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Do they find eating and drinking pleasurable and satisfying?

Do they appear comfortable in their environment?

Do they appear to be functioning well?

Do they appear satisfied, in control, socially engaged, confident, secure?















OVERALL IMPACT ON WELFARE





First Principles of Horse Training

Human and horse welfare depend upon training methods and management that demonstrate:

Human and Horse Safety



Acknowledging the horse's size, power and flightiness. Learning to recognise flight/fight/freeze behaviours early.

Ensuring horses and humans are appropiately matched.

The Nature of Horses



Meeting horse welfare needs such as foraging, freedom and equine company. Acknowledging that horses may perceive human movements as threatening. Avoiding dominance roles during interactions.

Mental and Sensory Abilities



Acknowledging that horses think, see and hear differently from humans. Keeping the length of training sessions to a minimum. Not overestimating or underestimating

ne horses' mental abilities.

Emotion



Understanding that horses are sentient beings capable of suffering. Encouraging positive emotional states. Acknowledging that consistency makes horses optimistic for further training outcomes. Avoiding pain, discomfort and/or triggering fear.

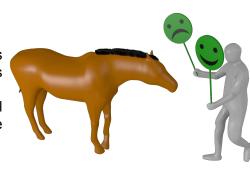
Classical Conditioning



Acknowledging that horses form associations between stimuli.

Always using a light signal before a pressure- release sequence.

Operant Conditioning



Understanding that behaviours become more or less likely as a result of their consequences. Removing pressures at the onset of a desired response. Minimising delays in reinforcement. Using combined reinforcement. Avoiding punishment.

Desensitisation



to Learning apply correctly systematic desensitisation, over shadowing, counterconditioning differential reinforcement. Avoiding flooding (forcing the horse to endure aversive stimuli).

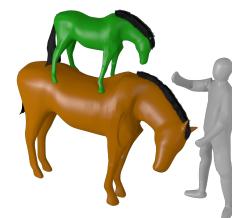
Shaping



Breaking down training into the smallest achievable steps and progressively reinforcing each toward the desired behaviour.

Changing the context (trainer, place, signal), one aspect at a time. Planning the training to make it obvious and easy.

Self Carriage



Training the horse to maintain gait, tempo, stride length. direction and body posture. Avoiding forcing a posture or maintaining it through relentless signalling (naggin).

Cues

Ensureing the horse can discriminate one signal from the other. Ensuring each signal only has one meaning.

Timing the signals with limb biomechanics. Avoiding the use of more than one signal at the same time.

Modified text and figures: Rudolf Leuthardt

This poster is a summery of the First Training Principles. To read the extended version go to:

www.equitationscience.com



First Training Principles

Human and horse welfare depend upon training methods and management that demonstrate:



1. Regard for human and horse safety

By acknowledging the horse's size, power and flightiness | By learning to recognise flight/fight/freeze behaviours early. By minimising the risk of causing pain, distress or injury | By ensuring horses and humans are appropriately matched.

2. Regard for the nature of horses

By meeting horse welfare needs such as foraging, freedom and equine company | By respecting the social nature of horses. By acknowledging that horses may perceive human movements as threatening | By avoiding dominance roles during interactions.

3. Regard for horses' mental and sensory abilities

By acknowledging that horses think, see and hear differently from humans | By keeping the length of training sessions to a minimum. By not overestimating the horse's mental abilities | By not underestimating the horse's mental abilities.

4. Regard for emotional states

By understanding that horses are sentient beings capable of suffering | By encouraging positive emotional states | By acknowledging that consistency makes horses optimistic for further training outcomes | By avoiding pain, discomfort and/or triggering fear.

5. Correct use of desensitisation methods

By learning to apply correctly systematic desensitisation, over-shadowing, counter-conditioning and differential reinforcement. By avoiding flooding (forcing the horse to endure aversive stimuli).

6. Correct use of operant conditioning

By understanding that horses will repeat or avoid behaviours according to their consequences | By removing pressures at the onset of a desired response | By minimising delays in reinforcement | By using combined reinforcement | By avoiding punishment.

7. Correct use of classical conditioning

By acknowledging that horses readily form associations between stimuli. By always using a light signal before a pressure-release sequence.

8. Correct use of shaping

By breaking down training into the smallest achievable steps and progressively reinforcing each step toward the desired behaviour. By changing the context (trainer, place, signal), one aspect at a time | By planning the training to make it obvious and easy.

9. Correct use of signals or cues

By ensuring the horse can discriminate one signal from another | By ensuring each signal only has one meaning By timing the signals with limb biomechanics | By avoiding the use of more than one signal at the same time.

10. Regard for self-carriage

By training the horse to maintain gait, tempo, stride length, direction, head, neck and body posture. By avoiding forcing a posture or maintaining it through relentless signalling (nagging).



This poster is a summary of the First Training Principles. To read the extended version go to:

www.equitationscience.com

APPENDIX O – THE FEI EQUESTRIAN CHARTER

Equine welfare involves the physical, psychological, social and environmental wellbeing of the Horse, and all Horses involved in sport and leisure activities should be able to live a good life. The FEI requires all those involved in sport involving Horses adhere to the FEI Code of Conduct, and to acknowledge and accept that at all times the welfare of the Horse must be paramount by pledging to the FEI Equestrian Charter.

- I understand that it is a privilege to involve Horses in sport and this comes with responsibilities to the Horse.
- I commit to respecting the Horse as a sentient creature capable of feeling both positive and negative emotions, and to ensuring its welfare is always my priority.
- I undertake to continually develop my understanding of Horse behaviour and welfare needs, and to proactively use this knowledge to provide a good life for Horses with which I am involved.

KONFLIKTIKÄITUMINE

Loomal on raskusi vaimse või füüsilise ebamugavustundega toimetulekul. Looduses selliseid käitumisi ei esine.

McGreevy et al.2005

Conflict behaviour: Stress-induced behavioural changes that arise from conflicting motivations, especially when avoidance reactions are prevented. Conflict behaviour may be agonistic behaviours, redirected aggression or displacement activities. If the stressor is recurrent, conflict behaviour may manifest as repetition and ritualization of original conflict behaviours. Stereotypies and selfmutilation may develop from severe, chronic or frequent stressors. In equitation, conflict behaviours may be caused by application of simultaneous opposing signals (such as go and stop/slow) such that the horse is unable to offer any learned responses sufficiently and is forced to endure discomfort from relentless rein and leg pressures. Similarly, conflict behaviour may result from incorrect negative reinforcement, such as the reinforcement of inconsistent responses or lack of removal of pressure.



Poker Face: Discrepancies in behaviour and affective states in horses during stressful handling procedures. K.Squibb et al.2018

Behaviourally assessed equine personality is not predictive of physiological stress sensitivity. A.Jolivald et al.2022

Fake it 'til you make it... C.Rudd et al.2022

Recreational horses' facial expressions prior to mounting. K.Olczarek & N.Lazarcyk 2022

- -Ridden Horse Pain Ethogram (RHpE) (Dyson et al 2018)
- -Equine Grimace Scale (Dalla Costa et al 2014)

Hea heaolu eelised:

- Ühtne heaolu st kõigi heaolu parem
- Paremad tulemused
- Odavam
- Ohutum

AITÄH!

OLGE EESKUJUKS!

KÜSI ENDALT, MIDA SAAN TEHA PAREMINI

