

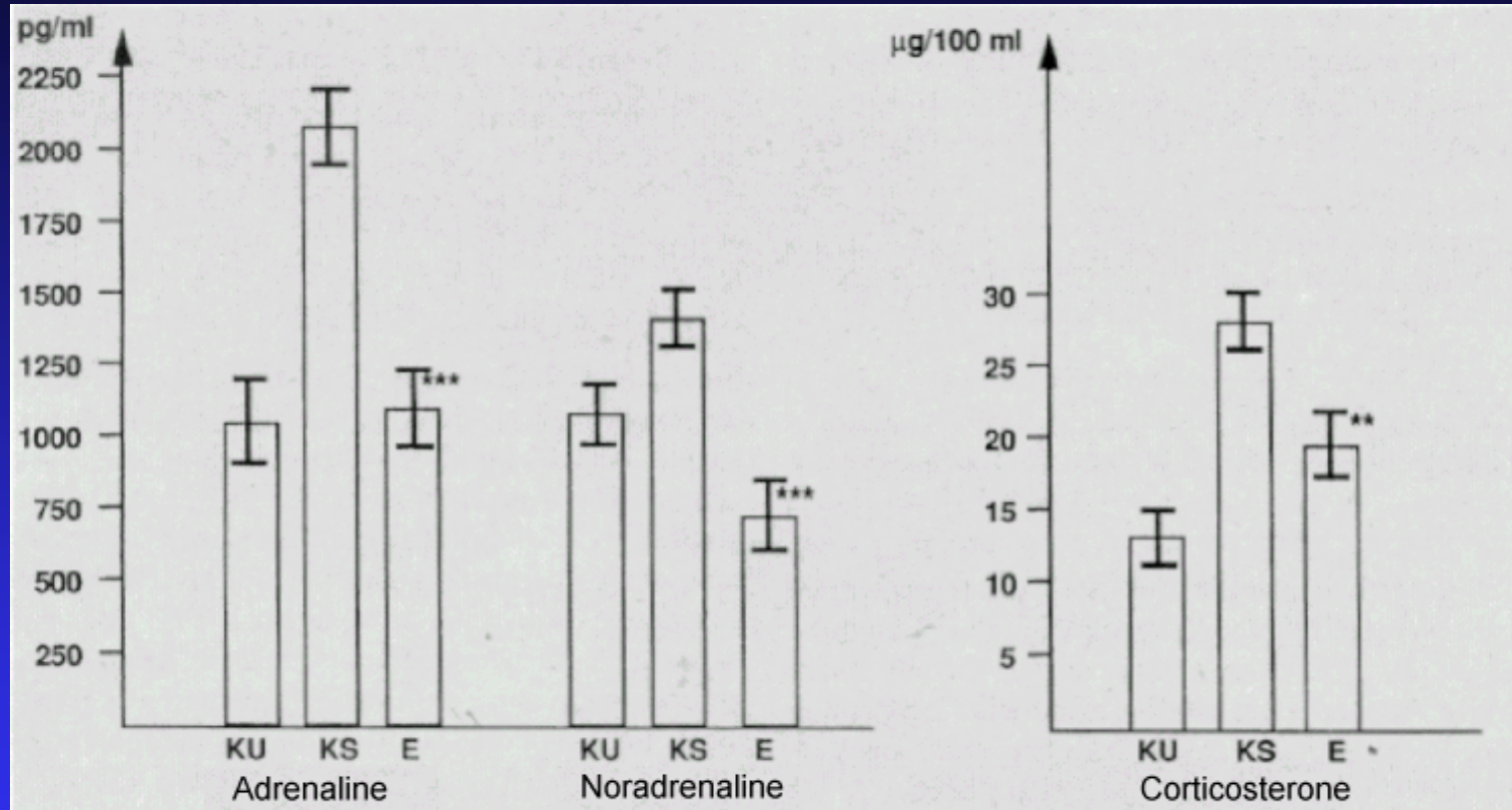
Treatment of Horse “Behavioural Disorders” – Possibilities to Enhance Performance

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Engystol ad us. vet.

- Regulation of stress hormones
- Evidence: Study in mice*
- Kietzmann M. (1986), in: Küpper G. Respiratory diseases of horses - Prophylaxis and treatment with Engystol ad us. vet. Biologische Tiermedizin 1994; 1: 19-31

Effect of Pretreatment with Engystol on Various Stress Parameters



KU = unstressed control group

KS = stressed control group

E = stressed group pretreated with Engystol

1.0 mg/kg Engystol, treatment 4 days p. appl.

** and ***: Significance compared to KS

Other Preparations for Use in Horses (1)

Indication

- Nervousness (in horsebox trailer, starting stalls)
- Restlessness during transport
- Overanxious/vicious (before shoeing)
- Anxiety/agitation
- “Sticking”/agitation on riding off

Additives

- Phosphor-Homaccord
- Vertigoheel
- Hyoscyamus-Injeel
- Coffea-Injeel
- Natrium-Homaccord

Other Preparations for Use in Horses (2)

Indication

- Persistent agitation in stable (starting stalls racers)
- Nymphomania

Additives

- Spascupreel + Zincum valerianum
- Ovarium compositum + Horneel

Performance Scheme (1)

- Against microlesions
 - ◆ Traumeel 2 x 5 ml i.m. or s.c. after the race and 24 hours later
- To activate the metabolism
 - ◆ Coenzyme compositum 2 x 5 ml i.m. or s.c. on the 3rd and 5th days after the race
- To improve oxygen utilization
 - ◆ Cactus compositum 2 x 5 ml i.m. or s.c. as required 6 hours before the race

Performance Scheme (2)

- With muscle tension
 - ◆ Atropinum compositum 2 x 5 ml i.m. or s.c. 1 day before the race and as required
- With nephrogenous back problems
 - ◆ Berberis Homaccord 2 x 5 ml i.m. or s.c. every 2nd day
- To relieve the joint structures
 - ◆ Zeel 2 x 5 ml i.m. or s.c. 2 days before the race

Special Indications (1)

- Subacute and chronic bronchitis (COB)
 - ◆ Engystol 2 x 5 ml by injection every 2nd day
 - ◆ Bronchalis-Heel for tight mucus
1 x 10 tablets daily
- Nosebleeds
 - ◆ Local injuries: Traumeel
 - ◆ Symptomatic bleeds: Traumeel +
Cinnamomum Homaccord (Cinnamomum,
Hamamelis, Millefolium) + poss Crotalus Injeel

Special Indications (2)

■ Metabolic disorders

- ◆ Underdevelopment in foals:

Coenzyme compositum 1-2 x weekly

☞ phosphorus type: Phosphor-Homaccord

- ◆ Liver function disorders:

Hepar compositum + Coenzyme
compositum

1-2 x weekly

■ Infection prophylaxis

- ◆ Engystol 3 x at 2-3 day intervals before
transportation/tournament

Fertility Disorders

- Clinical study with Hormeel for inducing cycle in former race horses

(Enbergs/Gronbach, 1997)

Testing/Application Scheme

Clinical research Progesterone profile	Hormeel 5 ml, s.c., 3 x Placebo 5 ml, s.c., 3 x	Clinical research Progesterone profile
Blood samples : 5 x Days 1, 5, 10, 15, 20	Days 21, 28, 35	Blood samples : 5 x Days 5, 9, 13, 17, 21 after induction of heat

Effects of Hormeel in Acyclic Mares

	Control (n = 18)	Test (n = 16)	Diff. (T-C)
Cycle induction for x mares	8 = 44%	11 = 68%	24%*
Heat induction for x mares	6 = 33%	9 = 56%	23%*
# days until heat	11	9.4	-1.6
Conception rate	2 = 11%	3 = 18%	7%

P<0.05

Effects of Hormeel on Persistent Corpus Luteum

	Control (n = 6)	Test (n = 7)	Diff. (T-C)
Cycle induction for x mares	2 = 33%	4 = 57%	24%
Heat induction for x mares	1 = 16%	3 = 42%	26%
# days until heat	13	12.6	0.4
Conception rate	0	1 = 14%	14%

Effects of Hormeel on Prolonged Follicle Phase

	Control (n = 7)	Test (n=7)	Diff. (T-C)
Cycle induction for x mares	4 = 57%	3 = 43%	-15%
Heat induction for x mares	4 = 57%	3 = 43%	-15%
# days until heat	32	31	-1
Conception rate	1 = 14%	2 = 28%	14%

Conclusion:

- Good efficacy of Hormeel in acyclic mares and persistent corpus luteum
- With cystic changes, Ovarium compositum is to be preferred (according to the results of further studies)