Is group-housed horses less reactive?

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THE AIM was to study if the horse's reactivity relates to the housing system.

Hypothesis:

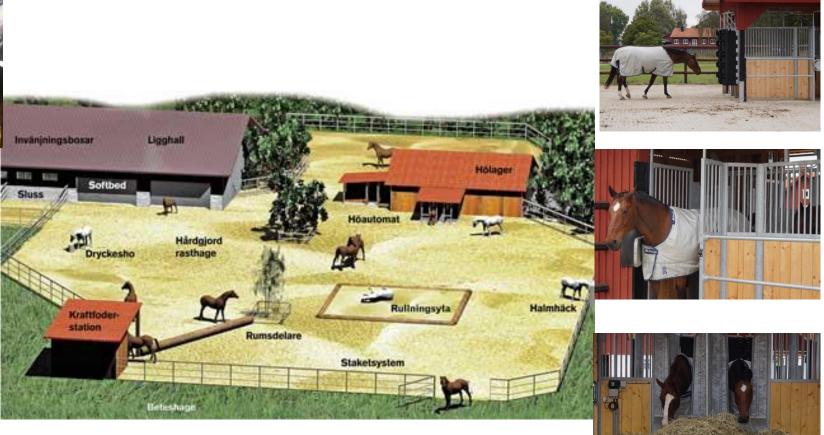
"A horse housed in an individual box is more reactive than a group-housed horse".







HIT Active Stable



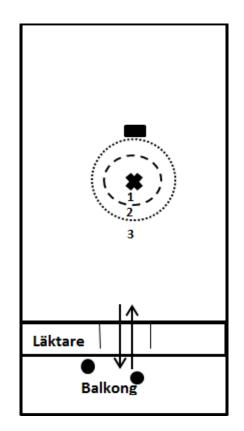




Material and Methods

- 14 + 14 SWB-geldings (8-19 yrs)
- Pre-trial 8 weeks post-trial
- Novel Object Test
- Heart rate and behaviours
 - feeding,
 - standing still,
 - walk,
 - "trot & canter",
 - head position (high/low).
- Statistics:
 - 2-way RM ANOVA
 - post-hoc test Holm-Sidak.

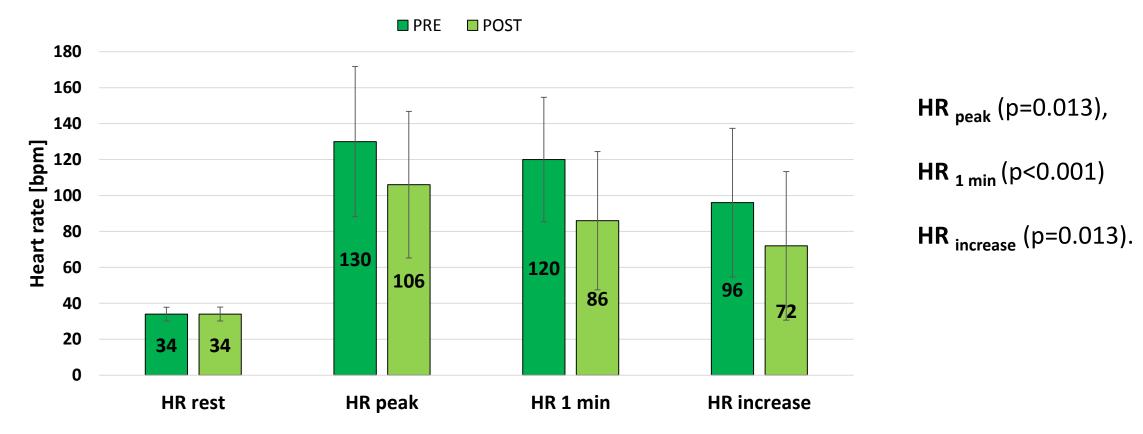








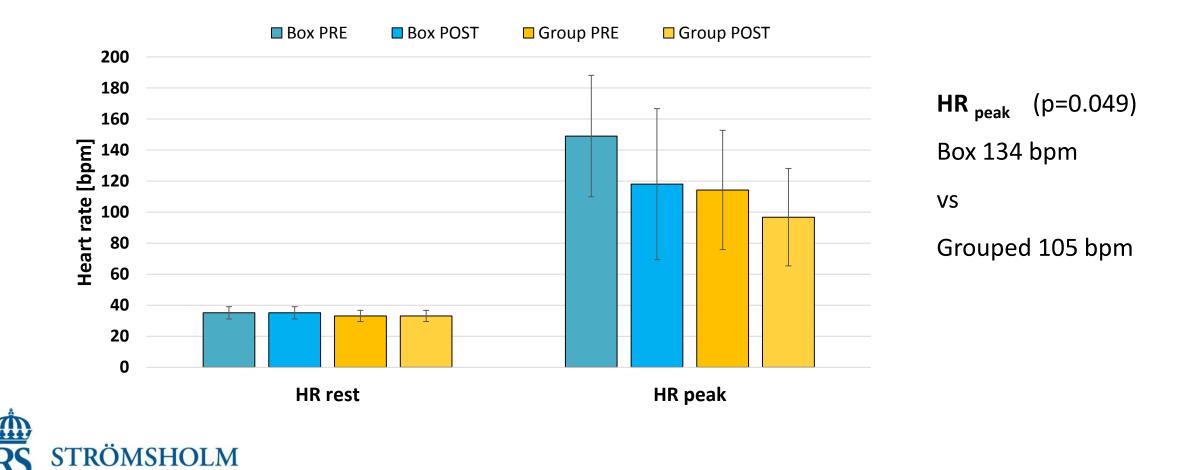
Heart rate Results Pre- vs Post-trial







Heart rate Results Box vs Group-housed





Behaviour

Results

WALK (p=0.052)
Box (mean 20% ± std 20%) vs
Group-housed (mean 10% ± std 16%).

 No other significant differences.



Conclusions

- 1. The horses got accustomed to Novel Object Test from the pre- to post-trial. (HR)
- 2. The hypothesis couldn't be accepted. (behaviour).
- 3. Further studies are needed.

