

JOINT ARTICULATION: Safe and Effective for all Species

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JOINT ARTICULATION: Safe and Effective for all Species

- Range of movement
- Levels of pain
- Safety of the practitioner
- Safety of the animal

Efficacy

- Increase in range of movement
- Decrease in pain

Range of Movement

- Passive - Palpation
- Active - !



Measuring Pain

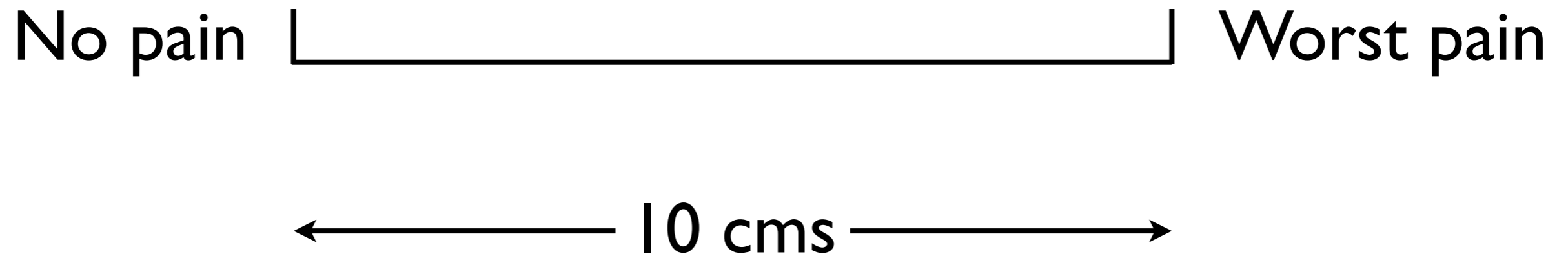
- Variety of methods
- No gold standard
- All imperfect



Methods for Measuring Pain

- Visual Analogue Scale

Visual Analogue Scale



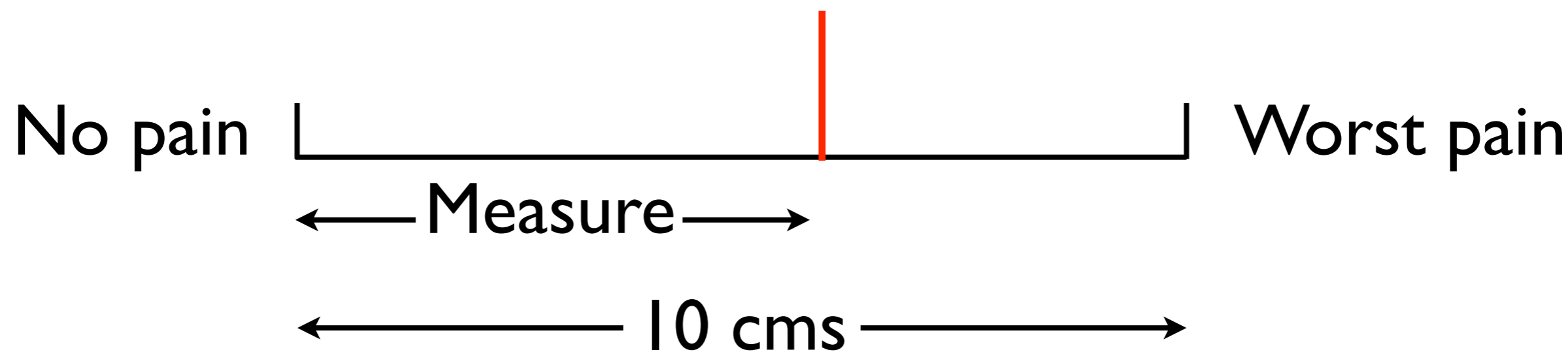
Visual Analogue Scale

No pain Worst pain

Assess Animal



Visual Analogue Scale



Visual Analogue Scale

- Easy to use in the field
- Simple to prepare
- Good reliability between experienced practitioners

Small...



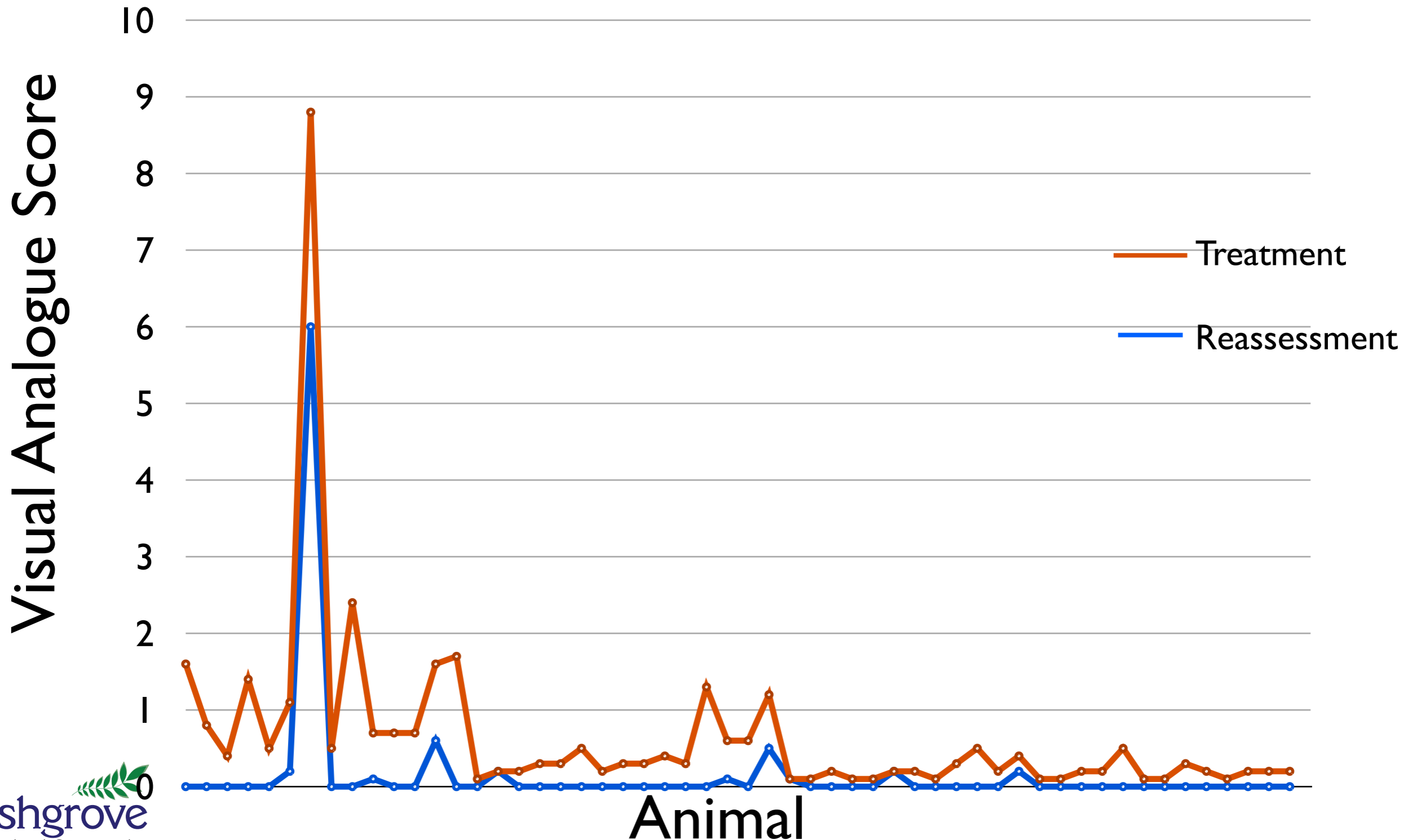
Medium....



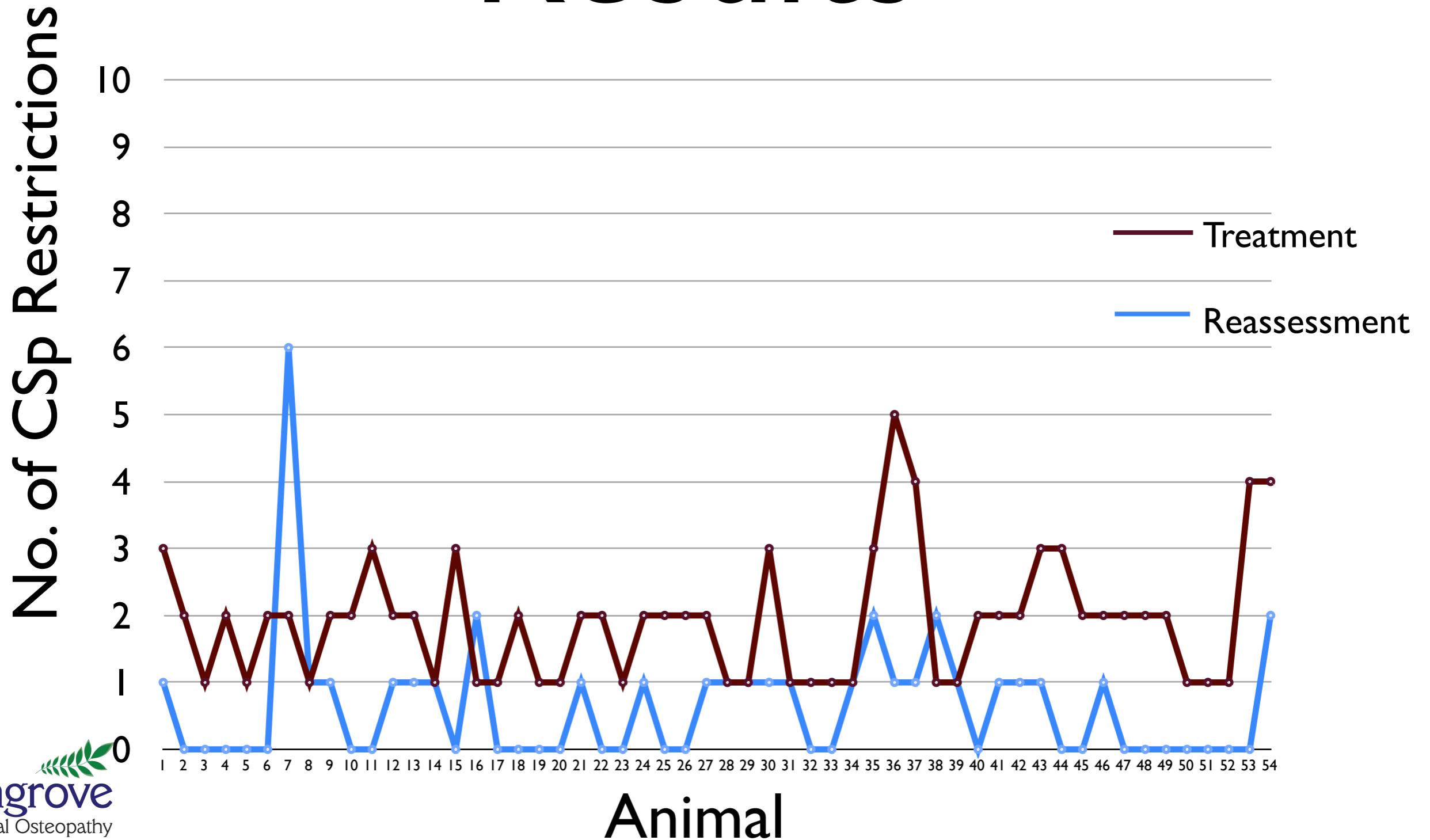
Large...



VAS Results



Restrictions - Results



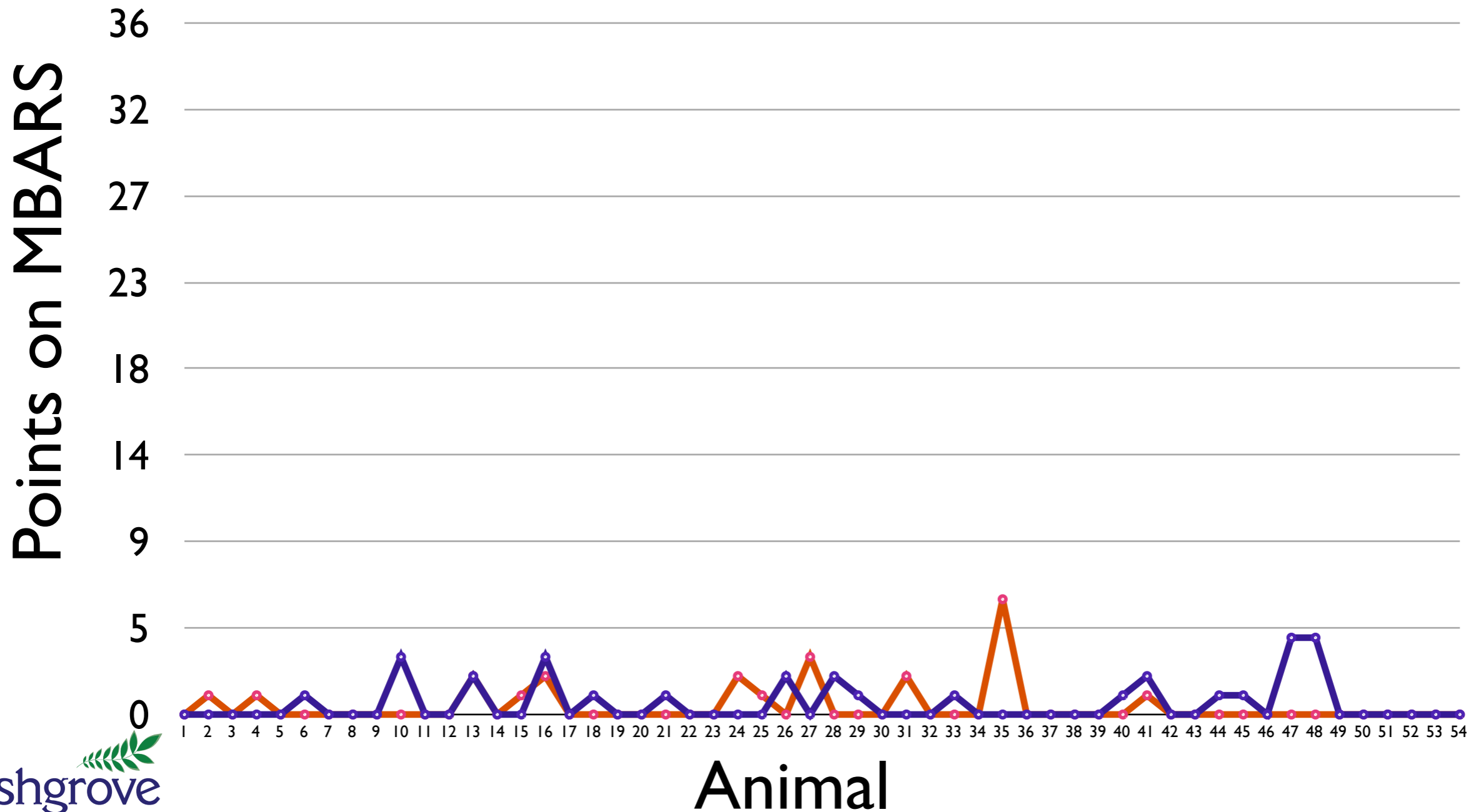
Practitioner Safety

- No data
- Dangerous work
- Measured levels of agitation

Modified Agitation Agitation Investigative Score

- **Hitting**
- **Grabbing/scratching**
- **Pushing**
- **Restlessness**
- **Screaming**
- **Attempting to move away**
- **Repetitious mannerisms**
- **Repetitious sentences/questions**
- **Making Strange noises**
- **Mouthing**

Modified Brief Agitation Rating Score



Safety



Animal Safety

- Medical safety not investigated
- Investigated CSp fractures only
- Number injured: 0
- Number killed: 0



Conclusions

- ROM - improves
- Pain - decreases
- Practitioner safety - low risk
- Animal safety - minimal risk of fracture

Further Research

- VAS - inter practitioner reliability
- Measuring joint restrictions
- Safety - should we gather data?

Why do this research?

- Investigate ways to measure what we do
- Explore VAS use
- Encourage others

Acknowledgements:

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