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# Horses' Responses to Receiving Masterson Method ${ }^{\text {ma }}$ Integrated Equine Performance Bodywork ${ }^{\text {me }}$ Treatments 

Carla O. Beu<br>Western Kentucky University, carla.beu596@topper.wku.edu

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# HORSES' RESPONSES TO RECEIVING MASTERSON METHOD ${ }^{\text {m }}$ INTEGRATED EQUINE PERFORMANCE BODYWORK ${ }^{\text {TM }}$ TREATMENTS 

A Capstone Experience/Thesis Project<br>Presented in Partial Fulfillment of the Requirements for the Degree Bachelor of Science with Honors College Graduate Distinction

By<br>Carla O. Beu<br>$* * * * *$

Western Kentucky University
2015

CE/T Committee:
Dr. Fred DeGraves, Advisor
Professor Walker Rutledge
Approved by

Ami Carter

Advisor
Department of Agriculture

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#### Abstract

This research documents the changes of comfort levels in horses resulting from receiving Masterson Method ${ }^{\mathrm{TM}}$ Integrated Equine Performance Bodywork ${ }^{\mathrm{TM}}$ treatments. The Masterson Method ${ }^{\mathrm{TM}}(\mathrm{MM})$ is a bodywork technique used to identify and release accumulated tension from the equine body. MM focuses on three main anatomical junctions: the poll-atlas junction, neck-shoulder-wither junction, and the sacroiliac junction. Research documentation includes pre and post treatment evaluations, the treatments, owner questionnaires, and cribbing observations. Also, all evaluation and treatment sessions were videotaped with the intent of further analysis for changes in range of motion, flexibility, and comfort level as applicable. Each horse received a minimum of two treatments one week apart with a follow-up, post-treatment evaluation a week later. Owners responded to a questionnaire before the first evaluation and after the final evaluation. Each horse was considered one case study.

Available data found on Masterson Method effects are anecdotal. This research strives to give an objective report of efficacy through thorough documentation of the pretreatment evaluation, a record of MM techniques used during treatments, and posttreatment reports.


Keywords: Masterson Method, cribbing, bodywork, aggression, horses, lameness

Dedicated to the many ponies and people who have and will inspire and assist me along my journey of learning.

## ACKNOWLEDGEMENTS

I offer deep gratitude to:
Horses for offering themselves as teachers of patience, boundaries, and the power of a healing touch.

The horses' owners for sharing their ponies and insights.
Gary Beu, for being my husband, number one fan, and a willing if also bored videographer.

Jim Masterson for developing a method that works with the horse instead of on the horse.
Dr. Fred DeGraves for being willing to take on a difficult-to-execute study while being realistic about measurable outcomes.

Professor Walker Rutledge for being an exceptional teacher of more than grammar.
Dr. Dawn Bolton and Dr. David Zimmer for their statistical knowledge, interest, and encouragement.

WKU Honors College and WKU Student Government Association for grants that helped fund training which enabled this study.

Friends, family, and WKU faculty who have encouraged me along the way.
God for graciously including horses in my life.

VITA

| April 1969 | Born - Rush City, Minnesota |
| :---: | :---: |
| January 1987. | ..............Chugiak High School Chugiak, Alaska |
| May 2010 - May 2015. | ...Western Kentucky University |
| April 2012. | Equine Myofascial Release Course |
| October 2013... | asterson Method Two Day Course |
| May 2014. | Masterson Method Five Day Couse |

## FIELDS OF STUDY

Major Field 1: Agriculture
Major Field 2: Management

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## CHAPTER 1

## INTRODUCTION

Horses work hard for people in a multitude of jobs which require athleticism, focus, and calmness. Fluid movement, and a willing attitude are difficult and sometimes impossible to access for horses which are holding stress in their bodies. Helping horses let go of tension so that they become more comfortable in their movements expands their natural athletic abilities and eases the aches and pains of use, stress, and age.

Careful reading of classic horsemanship texts reveals that massage modalities and techniques have been used on horses for centuries. As the horse has transitioned from a work animal to a recreation animal, massage has moved from the realm of talented grooms to trained, certified specialists. Currently, an internet search will yield pages of horse-massage books, schools, and practitioners. Traditional massage modalities are manual manipulations of body tissues, usually muscles and fascia. A massage practitioner is very literally working on the body, kneading, pressing, rubbing, or stroking.

Masterson Method ${ }^{\mathrm{TM}}$ Integrated Equine Performance Bodywork ${ }^{\mathrm{TM}}$ (MM) does not manually manipulate tissue in the same sense as traditional massage therapies. Instead, MM gently influences the horse and its neurological system to release muscle tension through touch, weight support, and movement. The poll-atlas junction, neck-wither-shoulder junction, and sacroiliac junction are of particular importance for equine
athletes. Therefore, MM pays particular attention to these areas of the equine body and works to maintain and improve fluid movement in these areas. (For specifics about MM techniques and protocols please visit www.mastersonmethod.com and/or buy Jim Masterson's products.)

This research documents seven case studies of horses' responses to receiving MM sessions. The intent was to obtain objective data concerning efficacy and to demonstrate that horses are able to perform their jobs better with more fluidity and ease after receiving Masterson Method ${ }^{\mathrm{TM}}$ Integrated Equine Performance Bodywork ${ }^{\mathrm{TM}}$ treatments.

All seven horses in the study had unresolved somatic issues. Four horses were lame, one had become aggressive toward people, and two were cribbers. Indeed, surprising results with the first cribbing horse prompted further investigation. All horses had received regular veterinary and farrier care with the owners striving to resolve the horses' discomforts. During the study, all horses remained in their home environments, and nothing in their routines or care was interrupted. They all lived on pastures with supplemental free-choice hay. Some horses also received 'meals' of grain or alfalfa.

This research demonstrates that in some cases MM sessions may reduce somatic pain and consequently reduce lameness, aggression, and possibly cribbing. At the conclusion of this study each horse had an improved attitude, and their individual health issues were diminished.

## Preparation:

Preparation for this research included the following:

1. Attending Masterson Method ${ }^{\mathrm{TM}}$ Two Day training course in Fairfield, Iowa October 2013
2. Augmenting a Physiology \& Anatomy of Domestic Animals class Spring semester 2014
3. Completing IRB training for ethical standards in human research 2014
4. Obtaining IRB approval of the Owner's Questionnaire form 2014
5. Completing IACUC training for ethical treatment of research animals 2014
6. Obtaining IACUC approval to conduct research using horses 2014
7. Completing Masterson Method ${ }^{\mathrm{TM}}$ Five Day training course in Mequon, Wisconsin May 2014
8. Completing an Equinology online equine anatomy course geared toward bodyworkers 2014
9. Identifying preliminary horses appropriate for the study

## Methods:

Data include pre-session evaluations of each horse for each treatment, a record of MM techniques used in each treatment, the owners' evaluations of their horses, and cribbing observations. The owners filled out the same questionnaire prior to their horse entering the study and at the conclusion of their horse's participation in the study. All evaluations and sessions were video recorded. The recordings were reviewed to ensure accuracy of paper documentation. Unfortunately, due to the nature of horses and MM,
obtaining measurements from the video was impossible. The cribbing horses were observed three times per day for four weeks. Data were statistically analyzed descriptively.

## CHAPTER 2

## THE HORSES

Horse 1
Prior to entering the study, Horse 1 was being considered for euthanasia because of severe lameness. When she entered the study, she relied heavily on her left hind and right front limbs for weight bearing and balance. The right hind and left front limbs were used primarily for balance with minimal weight bearing. She was still ambulatory, but tracked crooked and carried her head to the right. She also acted aggressively when approached and groomed. Before the study began, horse 1 had bitten her owner during a grooming session. The owner reported that this horse felt threatened easily because of the lack of balance and that backing seemed especially painful for the horse. Also, horse 1 could not pick up her hind feet to back properly; she shuffled and kind of scooted backward. Horse 1 was especially vulnerable when she was forced to move backward by other horses. The owner believed that the aggressive behavior (pinning ears, kicking and biting threats) were directly related to physical pain and balance insecurity. Horse 1 lives in a pasture with two other horses. She has the least authority within the herd.

## Horse 2

The owner of Horse 2 reported no aggression, lameness, or attitude issues.
Occasionally the horse appeared to have an "off" gait or shortened stride, but nothing that
 interfered with her life as a pasture ornament. This horse has an equine vice called cribbing. Cribbing occurs when a horse bites down on a solid object and inhales. This gives the cribbing animal a "high" through the

Figure 1 A cribbing horse, photograph courtesy of Brenda Borden release of endorphins. Cribbing is destructive to property and the cribber's teeth and is considered a very bad habit within the equine world. Some horsemen will not own a horse with this vice. There is considerable research into the causes of cribbing; inadequacies in the diet, boredom, and gastric ulcers are frequently cited as the driving forces. This horse has had all of those possible causes investigated and addressed with no change in behavior. When she entered the study, her owner estimated that $75 \%$ of her day was spent cribbing. Horse 2 lives on a pasture with two other horses; she is second in authority within the herd.

## Horse 3

This horse was entered into the study specifically because of the results experienced by horse 2 . Horse 3 is also a cribber with owners who have investigated every possible cause with no change in the horse's behavior. The horse is used for trail riding. She lives in a pasture with three other horses. She is the dominant horse.

## Horse 4

Horse 4 is used for riding lessons. Early in 2014 she started expressing aggression toward students when being caught. The aggression had escalated to attempted biting and kicking during grooming and tacking. Because of horse 4's aggression, the owner has considered selling her. Horse 4 lives in a pasture with approximately 20 horses; she is one of the dominant horses.

## Horse 5

A retired show horse, horse 5 is used occasionally for lessons by very timid and inexperienced riders. He has significant rheumatoid arthritis in both knees and evidence of arthritis in his hocks and all four pasterns. When the arthritis is exacerbated, he is lame. His owner monitors his use very closely in an attempt to keep him as comfortable as possible. Horse 5 is a high to middle authority horse in a pasture containing eight horses.

## Horse 6

Horse 6 is also a lesson horse, but she has been out of use due to an unresolved lameness. She has had multiple veterinary and farrier visits, but no one has been able to identify the source of her pain. When first caught she was in obvious distress; however, by the time she walked to the barn and filming began, she was walking with no recognizable problems. Horse 6 lives in a pasture with approximately 20 horses; she is in the middle range of authority.

Horse 7
This horse has a very similar story to horse 6 . Horse 7 has been intermittently lame for 1.5 years. Multiple farrier and veterinary visits have not revealed her pain source. She is a dominant horse in a pasture with approximately 20 horses.

## CHAPTER 3

## DATA COLLECTION

## Overview

After identifying a possible horse and getting a verbal agreement from the owner, an appointment was set for the initial evaluation and treatment. Prior to touching the horse, the process and purpose of this research was explained to the owner in accordance with the IRB requirements. The owner then filled out a questionnaire about the horse (Appendix 23-25).

After catching the horse in its pasture, it was led to an area safe for working. This is where filming began. A volunteer filmed as the horse was evaluated for areas of discomfort and then throughout the Masterson Method session. At the conclusion of the MM session, the filming stopped and the horse was returned to the pasture.

Each horse received at least two sessions, with a final evaluation for sustained change one week later. Sessions were performed one week apart. Horses 1, 2, and 3 each received more than two sessions. Due to approaching deadlines, the other four horses only received the minimum two sessions. After the final evaluation of each horse, the owner filled out another questionnaire about the horse. "Before" and "after" questionnaires followed the same format.

All evaluations were entered into an Excel spreadsheet. Sessions were reviewed to verify MM techniques used and the order of use. These data were also entered into a
spreadsheet. Neither technique nuances nor tension releases were recorded in the spreadsheet. MM techniques and horse release patterns were not a focus of this research. At the conclusion of the study, the owner questionnaires were also entered in a spreadsheet. These spreadsheets are in the appendix.

## MM Evaluations

Thirty-nine areas of the horse were palpated during an evaluation. The locations are named in the spreadsheet (appendix 26-30). According to MM protocol, a horse's response to pressure is assessed on a scale of zero to three. A zero means the horse has no adverse response to the pressure while a three indicates that the response was intense. During the evaluations, "zero," "half," "one," "two," and "three" were routinely employed. "Half" was marked when the horse responded with interest but no flinching. "One" was used when the horse moved away from the pressure with a slight flinch. When the horse reflexively moved away from the pressure, "two" was recorded. "Three" was used when the horse responded with any level of aggression. MM training teaches that one should immediately lighten the pressure as one palpates a location if twos and threes are expressed. The horse is obviously uncomfortable at that point; there is no reason to cause additional discomfort.

To get an overall indication of comfort level, each evaluation form was summed to obtain a discomfort level of the horse prior to starting the MM session. The highest summation score for an individual horse was 36.5 . The median was 17 , and the low was 3.0. (appendix 30)

## CHAPTER 4

## RESULTS

## Horse 1

During her first evaluation, horse 1 demonstrated balance challenges and insecurities along with minimal expressions of aggression. During the evaluation she immediately started releasing tension. Due to her balance issues, the evaluation had to be modified as indicated in the evaluation notes. Her summation score was 7.5. A few minutes into the actual MM session she had enough endorphins released into her system that she looked and acted stoned. At the conclusion of session one, she had better balance and the aggression was gone.

For session two, her summation score was 4.5. She experienced considerable tension release and walked better with no aggression when returned to the pasture, although her balance was still impaired. Session three saw a dramatic summation score increase to 14.5 . Her balance and gait had deteriorated. The owner and I suspected that there had been a pasture argument of some sort, although there were no marks on her body. Amazingly, it was during this session that this horse fully un-weighted her left hind leg for the first time.

At the fourth session, the summation score was 9.0. The owner reported that during the past week, this horse had repeatedly been observed resting the left hind leg and bearing weight evenly across the other three limbs when at rest.

At the final evaluation, horse 1 had the highest summation score to date at 23.0. However, this time there were bite marks on her ribs indicating a serious pasture argument. Most evaluation points along her ribs had a three response during the evaluation. Also, this was the first time for getting a three during an evaluation on this horse. Nevertheless, her balance had not deteriorated, and she continued to rest her left hind leg and bear weight on the right hind leg. The owner was thrilled with the improvements.

Horse 2
During her first evaluation, horse 2 expressed a summation score of 29.0. Her responses were typically ones and twos throughout. She was very fidgety throughout the session, which is an acceptable part of the tension-release process. At the second evaluation, the summation score was 17.0 , a twelve-point drop from the previous evaluation.

At the next evaluation, which was supposed to be final, the owner reported that this horse's cribbing time had reduced by approximately $50 \%$. Prior to the MM sessions, horse 2 spent most of her time cribbing while the other horses in her pasture were eating or relaxing. It was decided to continue working with this horse for another four sessions, to add in daily observations to track the cribbing, and to seek other cribbing horses for inclusion in the study.

Horse 2's evaluation three revealed a summation score of 17.5, up half a point from the previous week, an acceptable fluctuation given what was seen with horse 1 .

Cribbing observations began at this point with half-hour observation periods in the morning, afternoon, and evening. Cribbing results will be discussed in a separate section.

At session four, the owner reported a leg injury a few days before, but there was nothing to indicate a session would be harmful. Her summation score rose to 23.5 points, an increase of six points. When looking at the individual palpation points, one will notice that although areas around the ribs and lumbar had increased, points along the cervical vertebrae had been consistently decreasing.

Session five saw a significant spike in the summation score to 36.5 . With no bite or kick marks to prove it, the owner suspected a pasture argument. The dominant horse in this pasture can be very aggressive when she wants to be. During this evaluation, responses were recorded for areas which had only received zeros prior to this. Session six's summation score dropped to 18.5 . However, one week later the final evaluation climbed back up to 33.5. Again, the owner suspected pasture disagreements. The owner said that the dominant horse had been particularly grumpy.

## Horse 3

Horse 3 was added to the study specifically to measure any changes in her cribbing habit. Her initial evaluation was a mere 8.5 with the greatest response in the hock flex at a two. The second evaluation summation score increased to 9.0 , and the third increased to 10.5 . The fourth summation score was also 10.5 , while the final summation score was 7.0.

When looking at the individual palpation points, it is notable that the hock flex steadily decreased each session, while the hamstrings remained fairly steady. Areas
recorded on the first two sessions had zero scores by session three, but areas that had zero scores in the first two session now showed ones. In the final evaluation, horse 3's trouble areas of hamstrings and hocks recorded zeroes, but the ribs and saddle outline expressed ones.

## Horse 4

The aggression of horse 4 toward people had become a critical safety issue for students and workers of a lesson facility. The owner strongly suggested caution when catching her. Horse 4 knew the researcher and showed no aggression at any time during the study, although she demonstrated her dominance toward horses which came near.

During evaluation 1, horse 4 expressed a three response at her right lumbar vertebrae and twos for the hamstrings. She had a summation score of 12.0. She readily released tension throughout the session and galloped off when released in the pasture. Galloping stretches the back muscles, especially in the lumbar region; her choosing to gallop was perceived as a good sign.

Evaluation 2 yielded a summation score of 20.0 with the right lumbar 0.5 and the left lumbar 2.0. The left lumbar had been a zero the previous week, so there was definitely a shift in this area. Also, the left hamstring reduced to one, but the right hamstring remained steady at 2.0. These changes appeared to have affected the gluteal muscles, sacrum, and ribs, as most of these points increased by one.

Horse 4's final evaluation had a summation score of 9.0. Her hamstrings were ones, and several points that had increased the week before now expressed zeroes; however, her right ribs expressed three.

## Horse 5

This was the horse with significant arthritis. As expected with arthritic joints, the joints of front and back legs expressed threes and twos. His summation score on the first evaluation was 20.5. Thirteen of the points were directly related to the arthritic joints and another four points from the hamstrings which could be attributed to the hock discomfort.

The second session revealed a summation of 26.5. Joint-related areas were unchanged with exception of the left hamstring dropping to a half point and the right hock flex increasing from one to two. The significant changes appeared in the left poll and neck evaluation areas. Because horse 5 is a lesson horse for beginners, one wonders if his head was jerked during the past week.

The final summation score of 3.0 was either a sign of a miracle or misinterpretation of responses. His arthritis did not magically go away during the preceding week. Nevertheless, the owner reported that he was able to use the horse more than previously. Observation by the owner was that horse 5 did not feel worse after being used than before being used, a situation which represented a significant change in comfort level.

Horse 6
As previously mentioned, this horse expressed discomfort and distress in the pasture when first caught for evaluation, but by the time she walked to the barn, she had no obvious signs of discomfort in her gait. However, horse 6 was emphatic in her desire to prevent attention anywhere around her head, especially the poll areas. Some of the
head shyness was explained when she expressed three responses in the right poll areas and ones on the left poll areas, with ones and twos expressed on other head points and along the neck. Her first summation score was 23.0 with additional discomfort expressed in the thoracic vertebrae, hamstrings, and sacrum.

Horse 6 went up 1 point to 24.0 at the second evaluation. This time she expressed threes on both sides of the poll areas; other head points had reduced slightly; hamstrings went to zero, but lumbar expressed ones where they were zeroes. The final evaluation was a surprise with a summation score of 7.0. She still expressed threes at two of the poll areas, but all others had reduced to zeroes. The additional one point was expressed in her left front splint bones.

## Horse 7

Horse 7's most expressive areas during the first evaluation were the saddle and rib areas, with threes on the left and twos and ones on the right. This was interesting considering she had been unusable for over a year. The summation score was 20.0. Other areas of concern were front splints both left and right, medial and lateral; the hamstrings; and the poll areas. During the first session, horse 7 expressed three while working around her right shoulder area.

The second evaluation revealed shifts in discomfort. Her score reduced to 17.0 with reductions in the splints, hamstrings, ribs, and saddle areas. However, there were increases in the poll and withers areas. The final summation score was 12.0. Significant changes were seen in the splints, but lingering discomfort in the ribs, saddle area, and withers. Also, for the first time she expressed a three at the poll.

## The Cribbers

Horse 2 has been with her current owner seven years. During these years, horse 2 has consistently spent approximately $75 \%$ of her time at one of her chosen cribbing locations. Prior to the study's start, the owner


Figure 2 Horse 2 cribbing. Yes, she likes taking mud baths; photograph courtesy of G. M. Beu considered it rare and notable to see horse 2 lounging or grazing with the rest of the herd.

After the second MM session, the owner of horse 2 noticed that this horse was resting and grazing with the group instead of cribbing at her post. The owner's estimation is that horse 2 's cribbing time decreased by $50 \%$. The MM sessions were the only change in this horse's life, so it was decided to continue with treatments coupled with observations to see what could be learned. The owner was able and agreed to observe the horse for 30 minutes three times daily at owner's discretion.

Horse 3 was entered into the study because she cribs and the owner was also willing and able to observe the horse for 30 minutes three times daily. Horse 3 was not the dedicated cribber that horse 2 was. Prior to the MM sessions, horse 3 grazed and rested with the herd for most of her day. However, she would spend time cribbing after and during meals and during the afternoon.

Observations began the day of horse 2's third session and horse 3's first session.
Observations concluded at the final evaluation.

The cribbing
observation form is "yes" for cribbing, "no" for not cribbing, with observations in the morning, afternoon, and evening. When looking at the form with no previous knowledge of the horses' patterns, one observes nothing significant. Both horses continued to crib throughout the four weeks of observation.

|  | Horse 2 |  |  |  | Horse 3 |  |  |
| ---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Day | morning | afternoon | evening | morning | afternoon | evening |  |
| 1 | yes | yes | no | no | yes | no |  |
| 2 | yes | yes | no | no | yes | no |  |
| 3 | yes | yes | yes | no | yes | yes |  |
| 4 | yes | yes | yes | no | no | yes |  |
| 5 | yes | no | yes | no | no | yes |  |
| 6 | yes | no | no | yes | no | yes |  |
| 7 | yes | yes | no | no | no | yes |  |
| 8 | no | yes | no | yes | no | yes |  |
| 9 | yes | yes | yes | no | yes | yes |  |
| 10 | yes | no | no | no | no | yes |  |
| 11 | no | no | yes | no | yes | yes |  |
| 12 | yes | no | yes | no | no | yes |  |
| 13 | yes | no | no | no | yes | yes |  |
| 14 | yes | no | yes | yes | no | yes |  |
| 15 | yes | no | yes | yes | yes | no |  |
| 16 | yes | no | no | yes | yes | yes |  |
| 17 | yes | no | no | no | yes | yes |  |
| 18 | yes | no | no | no | yes | yes |  |
| 19 | yes | yes | yes | no | no | yes |  |
| 20 | yes | no | no | yes | no | yes |  |
| 21 | yes | no | no | no | no | yes |  |
| 22 | yes | no | yes | yes | no | yes |  |
| 23 | yes | no | no | no | yes | yes |  |
| 24 | yes | no | no | no | no | yes |  |
| 25 | yes | no | no | no | no | yes |  |
| 26 | no | no | no | no | no | yes |  |
| 27 | no | no | yes | no | no | yes |  |
| 28 | no | no | no | no | no | yes |  |
| 29 |  | final evaluation, no observations |  |  |  |  |  |

Figure 3 Cribbing Observation Data

However, the data reveal that horse 2 preferred cribbing in the morning even though she received meals morning and evening. There were only four days when cribbing was observed at all observation times. Throughout the cribbing period, Horse 2 became less likely to be observed cribbing during the afternoon and evenings. Horse 3 appeared to prefer cribbing in the evening, which was when she was fed a meal. Only
once was she observed cribbing at all three observation times, but this was in line with her pattern prior to receiving the MM sessions.

Owner observations that were secondary to the cribbing observation form but bear mentioning were that horse 2 totally changed her cribbing pattern during the observation period and that horse 3 significantly changed her pattern during times of severe weather moving through the area.

Horse 2 went from being a dedicated cribber to a sporadic cribber. During the observations periods, horse 2 began including eating and lounging along with the cribbing. So, for horse 2 , a "yes" to cribbing really means that at some point during the half-hour observation period, cribbing was observed. Cribbing time reduced during the study for horse 2 . The owner estimates that currently horse 2 is cribbing $25 \%$ of a day.

Horse 3's normal pattern in the evening during meals was to eat a few bites, crib $4-5$ inhalations, eat a few bites, crib, and repeat. During the morning and afternoon observations, she was either cribbing or not. However, when severe weather was moving through the area, horse 3 became significantly agitated. The owner had two opportunities to observe horse 3 becoming almost frantic in her need to suck air during storms. "If it were a person, you'd think she was hyperventilating" is how the owner described the change in behavior.

## Conclusion

With 39 evaluation points per horse with a response range of 0 to 3 , the median for all but three evaluations was zero. It was impossible to compare horses and sessions
when the majority of median responses was zero. All of the medians above zero were for horse 2.

On her first evaluation, horse 2 had a median of 1.0 , on the fifth 0.5 , and on the final 0.5 . These were also the evaluations when she had the highest summation scores; however, the highest median was not on the evaluation of the highest summation score.

The owner questionnaire data support that the owners saw an improvement in horse comfort levels (appendix 33-36). Horse 1's aggression decreased, her balance improved, and she could un-weight her left hind leg.

Currently, horse 4 has returned to her friendly self with students and barn workers, although she is still aggressive toward other horses. Horse 5 is able to be used several times in the lesson program without becoming miserable during or after working. Horses 6 and 7 are still lame, but are more comfortable.

A more knowledgeable and skilled MM practitioner might have used a different pattern of techniques during the sessions and thereby achieved more positive results. However, this research provides evidence that Masterson Method ${ }^{\text {TM }}$ Integrated Equine Performance Bodywork ${ }^{\text {TM }}$ could enable many horses to continue leading active lives. Five of the seven horses demonstrated improvement at the conclusion of their individual case studies. Although preliminary in nature, these results support conducting additional field work on the efficacy of MM on horses.

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An instruction manual for learning equine massage. It includes equine anatomy and instruction on techniques for massage and stretching.

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Raynor, M. (2006). The Horse Anatomy Workbook. London: J. A. Allen.
In essence, this is a coloring book to assist in the learning of equine anatomy.
Wyche, S. (2002). The Horse's Muscles in Motion. Wiltshire: The Crowood Press, Ltd. An explanation of joint, bone, muscle, ligament, and tendon functions using mechanical comparisons such as hinges, ball-joints, and pulleys.

Zidonis, N., Snow, A., \& Soderberg, M. (1999). Equine Acupressure: A working manual. Colorado: Tallgrass Publishers, LLC.

This book is an introduction and explanation of the driving concepts of Traditional Chinese Medicine and covers element theory, the meridians, and treatment patterns for common equine problems.

## APPENDIX

## INFORMED CONSENT DOCUMENT

## Project Titie:

Honses' Responses to Receiving
Masterson Method ${ }^{\text {M }}$ Integrated Equine Performance Bodywork ${ }^{\text {TM }}$ Treatments
Investigator: Carla Beu WKU Honors College 270 597-9559

You are being asked to participate in a project conducted through Western Kentucky University. The University requires that you give your signed agreement to participate in this project.

The investigator will explain to you in detail the purpose of the project, the procedures to be used, and the potential benefits and possible risks of participation. You may ask any questions you have to help you understand the project. A basic explanation of the project is written below. Please read this explanation and discuss with the researcher any questions you may have.

If you then decide to participate in the project, please sign on the last page of this form in the presence of the person who explained the project to you. You should be given a copy of this form to keep.

1. Nature and Purpose of the Project: This project documents the changes in the movement, flexibility, and comfort levels in horses resulting from receiving Masterson MethodTS Integrated Equine Performance Bodywork ${ }^{\text {TS }}$ treatiments. The Masterson Method ${ }^{\text {TM }}$ (MM) is a touch therapy used to identify and release accumulated tension from areas in the body. Horses work hard for people in a multitude of jobs which require intense athleticism, steady focus, and calm willingness. For horses that hold stress in their bodies, fluid movement, concentration, and a willing artitude are more difficult and sometimes impossible to access. Helping the horses let go of tension so that they become more comfortable in their movements expands their athletic abilities and eases the aches and pains of age. My goal is to demonstrate that horses are able to perform their jobs better with more fluidity and ease after receiving Masterson Method ${ }^{13}$ trearments.
2. Explanation of Procedures: This project is a compilation of case studies. Each case study consists of a pre-treatment exam of the horse, two treatments one week apart, and a post treatment exam a week later. Treatment documentation includes a questionnaire about the borse filled out by the owner/rider, a pre-treatment exam/report, a record of treatment specifics (which MM techniques were used in what order), a post-treatment exam/report, and an owner questionnaire. The owner questionnaires will be the same pre and post treatment. Also, each horse treatment and the pre and post evaluations will be video recorded.
3. Discomfort and Risks: The horse will be receiving Masterson Method ${ }^{\mathrm{TM}}$ treatments. Signs of tension relcase include but are not limited to blinking, yawning, licking, shaking, quivering, stomping, and kicking. There are no known risks to the owner; however, some people have emotional reactions to sceing their horses release tension. Watching or not watching is the owner's choice.

Treatments are done on a 'cold' horse, so there can be no activity which will elevate the horse's heart rate or respiration immediately before a trearment. Also, the day after a treatment excreise that is relaxing and encourages stretching and lengthening is best for the horse. After treatment many horses "take a nap," This is normal and to be expected.

There may be several issues affecting the horses; there are no reasons to delay normal veterinary, farricr, or other welfare treatments during this study. Masterson Method ${ }^{\text {PM }}$ Integrated Equine Performance Bodywork ${ }^{13}$ is not a substitute for veterinary or farrier care,
4. Benefits: The potential benefits to the horse are an increase in overall welfire and improved mobility, flexibility, and movement quality. Please note that these improvernents may be temporary if the cause of tension is still a factor in the horse's life. Also, the tension may be such that more than two treatments are necessary for lasting effect. The potential benefits to the owner is having a happier horse with improved mobility, flexibility and gait quality, and a possible reduction in expenses related to horse welfare.
5. Confidentiality: All data concerning the owner will remain confidential. Names, addresses, phone numbers, and email addresses will not be included in research documentation and will be destroyed at the conclusion of the case study. Information pertaining to the horses will be included in my Honors College thesis. Only borse data in aggregate will be reported and published in other venues.
6. Refusal/Withdrawal: Refusal to participate in this study will have no effect on any funure services you may be entitled to from the University. Anyone who agrees to participate in this study is free to withdraw from the study at any time with no penalty.

You understand also that it is not possible to identify all potential risks in an experimental procedure, and you believe that reasonable safeguards have been taken to minimize both the known and potential but unknown risks.


## Dwner's Evaluation of Horse Questionnaire:

Research of Horses' Responses to Receiving Masterson Method ${ }^{\text {TM }}$ Integrated Equine Performance Bodywork ${ }^{\text {TM }}$
Information provided through this questionnaire will be used for statistical grouping of those study horses which have similarities. Thank you for allowing your horse to participate in this study.
Horse's (stable) Name: $\qquad$ pre / post treatment date: $\qquad$
Directions: Please fill in the blank, circle, or check as appropriate to best represent the horse named on this form. All rating scales are 1-5 with 1 being lowest intensity/bottom and 5 being highest intensity/top.
Lives in: stall w/turnout stall w/o turnout pasture If pastured, herd size: by self 2-5 6-10 10+ Placement in herd? (bottom) 12345 (top)
Known traumas/accidents/health issues:
Experienced during past 6 months? Yes No Receiving treatment? Yes No Type:

| Issues/Behaviors | Pawing | Pulls back | Tail wringing | Left lead | Right Lead | Lead changes | Pinning ears |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Frequency of | 12345 | 12345 | 12345 | 12345 | 12345 | 12345 | 12345 |
| Severity of | 12345 | 12345 | 12345 | 12345 | 12345 | 12345 | 12345 |
| Triggers of |  |  |  |  |  |  |  |


| Issues/Behaviors |  | Biting | Kicking (rear) | Striking (front) | Charging | Other |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | pasture |  |  |  |  |  |
|  | stall |  |  |  |  |  |
|  | grooming |  |  |  |  |  |
|  | riding |  |  |  |  |  |
|  | leading/longeing |  |  |  |  |  |
| Frequency of |  | 12345 | 12345 | 12345 | 12345 |  |
| Severity of |  | 12345 | 12345 | 12345 | 12345 |  |
| Triggers of |  |  |  |  |  |  |



| Corrective shoes | yes | no |
| :---: | :---: | :---: |
| Joint injections | yes | no |

Additional Comments:

## MM EVALUATION NOTES

## Horse 1:

**will not pick up hoof, needs hoof for weight bearing \& balance
Session 2: Hock Flex: lifts leg high and out causing herself to hop on right hind, but no pain response
Session 3: pasture argument? No marks on body
Session 4: Hock Flex: lifts leg high and out causing herself to hop on right hind, but no pain response
Final Eval: pasture argument? Bite marks on ribs

## Horse 2:

Session 1: Cadence off with right hind
Session 4: Owner says left front leg was swollen a few days ago, believes she caught hoof and yanked it free, no visible damage
Final Eval: What happened? Pasture argument??

## Horse 3:

Session 1: Hock Flex: very tight, but no pain response
Session 2: Hock Flex: tight, but no response; Neck: C4
Session 3: Hock Flex: less tight, but no response
Session 4: Hock Flex: less tight, yawn/chew releases during evaluation

## Horse 4:

Session 1: All coronet bands and lateral hind cannons warm to the touch, N/S: C6/7, T1
Session 2: Top of Spine: lumbar, Neck/Shoulder: C6/7, T1

## Horse 5:

Very stiff joints: knees rheumatoid arthritis, hocks/pasterns arthritis; no pain responses

## Horse 6:

Session 1: missing LF shoe, head shy

## Horse 7:

Session1: 3 response when working around Right shoulder/forearm area

| Session Evaluations |  | MM response evaluation scale: 0-3 |  |  |  |  |  |  |  |  |  |  |  | Horse 3 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Horse | Horse 1 |  |  |  |  | Horse 2 |  |  |  |  |  |  |  |  |  |  |  |
| Evaluation |  | 1 | 2 | 3 | 4 | Final | 1 | 2 | 3 | 4 | 5 | 6 | Final | 1 | 2 | 3 | 4 | Final |
| Poll - Front of Atlas | Left | 0 | 0 | 0.5 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0.5 | 1 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.5 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 |
| Poll - Top of Atlas | Left | 0 | 0 | 0.5 | 1 | 0 | 1 | 0 | 0 | 0 | 0.5 | 0.5 | 1 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0.5 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 0 |
| TMJ | Left | 0 | 0 | 0.5 | 0.5 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0.5 | 0 | 0 | 1 | 0 | 0 |
| Neck | Left | 0 | 0 | 0.5 | 0 | 0 | 1 | 0 | 0.5 | 1 | 1 | 0.5 | 1 | 0.5 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0.5 | 0 | 0 | 1 | 1 | 0.5 | 1 | 2 | 0 | 1 | 0.5 | 0 | 0 | 0 | 0 |
| Shoulder | Left | 0 | 0 | 0.5 | 0.5 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0.5 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Withers | Left | 0 | 0 | 0.5 | 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 2 | 0.5 | 0 | 0 | 0 | 0 |
| Hoof Point | Left | 1 | 0 | 1 | 0 | 3 | 1 | 1 | 2 | 2 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 | 1 | 3 | 2 | 3 | 0.5 | 0.5 | 0 | 0 | 0 |
| Top of Spine |  | 0.5 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| Saddle Outline | Left | 0 | 0.5 | 2 | 0 | 3 | 1 | 1 | 0.5 | 2 | 2 | 0.5 | 3 | 0 | 0 | 0.5 | 1 | 1 |
|  | Right | 0.5 | 0 | 0 | 0 | 3 | 2 | 1 | 2 | 2 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| Ribs | Left | 0 | 0.5 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 3 | 1 | 3 | 0 | 0 | 0 | 1 | 1 |
|  | Right | 0.5 | 0 | 0.5 | 1 | 3 | 0 | 1 | 1 | 2 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| Lumbar | Left | 0 | 0 | 0 | 0 | 0.5 | 2 | 1 | 0 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 1 | 1 |
|  | Right | 0 | 0 | 0.5 | 0 | 2 | 2 | 2 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Gluteals | Left | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
|  | Right | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sacrum | Left | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
|  | Right | 1 | 0 | 0.5 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Hamstrings | Left | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 0 |
|  | Right | 2 | 0 | 0.5 | 0 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 0 | 1 | 1 | 0 | 0 |
| Front Splints L/M | Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0.5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 1 | 0 | 0 | 0 |
| Knee Flex | Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Front Pastern | Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hock Flex | Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0 | 0 | 0 | 2 | 1 | 0.5 | 0.5 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0.5 | 0 | 0 |
| Hind Cannon twist | Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hind Pastern | Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | sum | 7.5 | 4.5 | 14.5 | 9.0 | 23.0 | 29.0 | 17.0 | 17.5 | 23.5 | 36.5 | 18.5 | 33.5 | 8.5 | 9.0 | 10.5 | 10.5 | 7.0 |
|  | median | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0.5 | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 |


| Session Evaluations |  | MM response evaluation scale: 0-3 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Horse | Horse 4 |  |  | Horse 5 |  |  | Horse 6 |  |  | Horse 7 |  |  |
| Evaluation |  | 1 | 2 | Final | 1 | 2 | Final | 1 | 2 | Final | 1 | 2 | Final |
| Poll - Front of Atlas | Left | 0 | 0 | 0 | 0.5 | 2 | 0 | 1 | 3 | 3 | 0.5 | 1 | 0 |
|  | Right | 0 | 0.5 | 1 | 0 | 0 | 0 | 3 | 3 | 3 | 0 | 0 | 0 |
| Poll - Top of Atlas | Left | 0 | 0 | 0 | 0.5 | 1 | 0 | 1 | 3 | 0 | 0.5 | 1 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 3 | 0 | 0 | 0 | 3 |
| TMJ | Left | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 |
| Neck | Left | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Shoulder | Left | 1 | 1 | 0 | 0.5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Withers | Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 1 |
| Hoof Point | Left | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 1 | 1 | 1 |
|  | Right | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 |
| Top of Spine |  | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saddle Outline | Left | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 2 |
|  | Right | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0.5 |
| Ribs | Left | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 2 |
|  | Right | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |
| Lumbar | Left | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
|  | Right | 3 | 0.5 | 2 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Gluteals | Left | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|  | Right | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Sacrum | Left | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hamstrings | Left | 2 | 1 | 1 | 2 | 0.5 | 1 | 2 | 0 | 0 | 1 | 1 | 0 |
|  | Right | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 0 | 0 | 2 | 1 | 0 |
| Front Splints L/M | Left | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0.5 | 0 |
|  | Right | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0.5 | 0.5 |
| Knee Flex | Left | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Front Pastern | Left | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hock Flex | Left | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hind Cannon twist | Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hind Pastern | Left | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | Right | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|  | sum | 12.0 | 20.0 | 9.0 | 20.5 | 26.5 | 3.0 | 23.0 | 24.0 | 7.0 | 20.0 | 17.0 | 12.0 |
|  | median | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Session Evaluations Medians Table

| Session Evaluations |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | All horses | Median | Max | Min |
| $\frac{\curvearrowleft}{5}$ | All evaluations | 17.0 | 36.5 | 3.0 |
|  | session 1 | 16.0 | 29.0 | 7.5 |
|  | Final | 9.0 | 33.5 | 3.0 |
|  | All evaluations | 0 | 3.0 | 0 |
|  | session 2 | 0 | 3.0 | 0 |
|  | Final | 0 | 3 | 0 |

Official Masterson Pre-treatment Evaluation Form


## Cribbing Observations

Cribbing horses received four MM sessions and were observed three times daily at owner's discretion Observations began on day of first session and continued for six days after the last session.

|  | Horse 2 |  |  | Horse 3 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Day | morning | afternoon | evening | morning | afternoon | evening |
| 1 | yes | yes | no | no | yes | no |
| 2 | yes | yes | no | no | yes | no |
| 3 | yes | yes | yes | no | yes | yes |
| 4 | yes | yes | yes | no | no | yes |
| 5 | yes | no | yes | no | no | yes |
| 6 | yes | no | no | yes | no | yes |
| 7 | yes | yes | no | no | no | yes |
| 8 | no | yes | no | yes | no | yes |
| 9 | yes | yes | yes | no | yes | yes |
| 10 | yes | no | no | no | no | yes |
| 11 | no | no | yes | no | yes | yes |
| 12 | yes | no | yes | no | no | yes |
| 13 | yes | no | no | no | yes | yes |
| 14 | yes | no | yes | yes | no | yes |
| 15 | yes | no | yes | yes | yes | no |
| 16 | yes | no | no | yes | yes | yes |
| 17 | yes | no | no | no | yes | yes |
| 18 | yes | no | no | no | yes | yes |
| 19 | yes | yes | yes | no | no | yes |
| 20 | yes | no | no | yes | no | yes |
| 21 | yes | no | no | no | no | yes |
| 22 | yes | no | yes | yes | no | yes |
| 23 | yes | no | no | no | yes | yes |
| 24 | yes | no | no | no | no | yes |
| 25 | yes | no | no | no | no | yes |
| 26 | no | no | no | no | no | yes |
| 27 | no | no | yes | no | no | yes |
| 28 | no | no | no | no | no | yes |
| 29 |  | final | valuation | observat | ons |  |





| Masterson Method Sessions Key |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Techniques Used on Front of Horse |  | Abbreviation | Techniques Used | Hind Quarters of Horse | Abbreviation |
| Lateral Cervical Flexion |  | LCF | Under-tail Points |  | UTP |
| Poll Release | Head Down | Hd Dn | Sacroiliac Point |  | SIP |
|  | Head Up | Hd Up | Hip Joint Point |  | HJ |
| Scapula Releases | leg forward | Scp RI-F | Pelvic Point |  | PP |
|  | leg lateral | Scp RI-L | Stifle Point |  | SP |
|  | leg back | Scp R1-B | Pubic Symphysis Point |  | PSP |
|  | leg forward across midline | Scp R1-Fm | Farrier Position |  | FP |
|  | leg back across midline | Scp RI-Bm | Hind-leg Release | leg forward | Heg-F |
| Under-Scapula Release |  | U-Scp RI |  | leg lateral | Heg-L |
| Release C6/T1 |  | C7/T1 RI |  | leg back | Heg-B |
| Withers Wiggle |  | ww |  | leg forward across midline | Hleg-Fm |
| Sternum Roll |  | St Roll |  | leg back across midline | Heg-Bm |
| Sternum Lift |  | St Lft | Stifle-in/Stifle-out |  | Sti/0 |
| Tongue Release |  | Tong | Psoas Points |  | Psoas |
| TM J Joint point |  | TMJ | Sacrum Float |  | SacFl |
| Accordian (anywhere on horse) |  | Acc | Lateral Rocking |  | Lat Rk |
| $\qquad$ |  |  | Coronary band ending/starting pt of an acupressure meridian |  | ting |
|  |  |  |  |
| $\mathrm{R}=$ working on right side $\quad \mathrm{L}=$ working on left side |  |  |  |  |  |  |  |
| example of how to read a session: |  |  |  |  |  |
| PSP | Iam touching Pubic Symphysis Point |  |  |  |  |
| L-FP | Iam holding left hind leg in the Farrier Position |  |  |  |  |
| L-St I/O | Iam holding left hind leg in Farrier Position and moving so that the stifle is moved laterally and medially |  |  |  |  |
| L-Hleg-Fm | I have set the left hind foot down with toe across midline of belly |  |  |  |  |
| L-Hleg-Fm, L-SP, L-HJ While left hind foot is across midline of belly, Iam touching Left Stifle Point and Left Hip Joint |  |  |  |  |  |


| technique order | Masterson Method Sessions |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Horse 1 |  |  |  |
|  | Session 1 | Session 2 | Session 3 | Session 4 |
| 1 | Hd dn | L-Scp Rl-B | Hd dn | Hd dn |
| 2 | L-LCF | L-Scp Rl-L | R-BL | L-Hd Up |
| 3 | Hd dn | L-Scp R1-F | R-LCF | R-Hd Up |
| 4 | R-LCF | L-LCF | R-C7/T1 R1 | R-Tong |
| 5 | L-Scp R1-F | Hd dn | L-BL | L-Tong |
| 6 | L-Scp R1-B | L-LCF | L-LCF | R-TMJ |
| 7 | L-Hd Up | L-WW | R-LCF | L-TMJ |
| 8 | R-Hd Up | L-U-Scp R1 | R-U-Scp R1 | L-LCF |
| 9 | R-Scp R1-F | L-C6/T1 R1 | R-C7/T1 R1 | R-LCF |
| 10 | R-Scp R1-L | Hd dn | R-WW | R-WW |
| 11 | R-Scp R1-B | L-TMJ | L-LCF | R-WW, R-St Lft |
| 12 | R-LCF | L-Hd Up | L-U-Scp R1 | R-St Lft |
| 13 | R-WW | R-Hd Up | L-C7/T1 R1 | R-WW |
| 14 | R-U-Scp R1 | R-Tong | R-Scp Rl-B | R-WW, R-St Lft |
| 15 | L-U-Scp R1 | L-Tong | R-Scp Rl-L | R-LCF |
| 16 | L-C7/T1 | R-TMJ | R-Scp R1-F | L-LCF |
| 17 | R-U-Scp R1 | R-LCF | L-Scp Rl-B | L-U-Scp R1 |
| 18 | R-C7/T1 R1 | R-WW | L-Scp Rl-L | R-U-Scp R1 |
| 19 | SacFl | R-Scp R1-F | L-Scp Rl-F | L-U-Scp R1 |
| 20 | SacFl, UTP | R U-Scp R1 | R-PP | L-C7/T1 R1 |
| 21 | SacFl, L-PP | R C7/T1 R1 | R-SIP, R-PP | L-UTP, L-SIP |
| 22 | SacFl | R-Hd Up | SacFl | SacFl, UTP |
| 23 | SacFl, SIP | SacFl, UTP | Done | PSP |
| 24 | R-PP | PSP |  | L-SIP |
| 25 | R-PP, HJ | R-PP, R-HJ |  | R-SIP |
| 26 | R-FP | R-HJ |  | R-PP, R-HJ |
| 27 | R-Hleg-F | R-SP |  | R-HJ, R-SP |
| 28 | R-Hleg-L | R-FP |  | L-PP, L-HJ |
| 29 | R-FP | L-SIP, L-HJ |  | L-HJ, L-SP |
| 30 | R-St I/O | L-HP, L-PP |  | L- Lat Rk |
| 31 | R-FP | L-PP, L-SIP |  | Done |
| 32 | R-Hleg-F | L-SIP, L-SP |  |  |
| 33 | R-SIP | L-SIP |  |  |
| 34 | R-SIP, R-Pr | Done |  |  |
| 35 | SacFl |  |  |  |
| 36 | SacFl, UTP |  |  |  |
| 37 | SacFl, L-SIP |  |  |  |
| 38 | SacFL, PSP |  |  |  |
| 39 | L-PP |  |  |  |
| 40 | L-Tong |  |  |  |
| 41 | R -Tong |  |  |  |
| 42 | Done |  |  |  |


|  | Masterson Method Sessions |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Horse 2 |  |  |  |  |  |
| technique order | Session 1 | Session 2 | Session 3 | Session 4 | Session 5 | Session 6 |
| 1 | L-BL poll to loin | L-SIP | Hd dn | Hd dn | Hd dn | Hd dn |
| 2 | R-BL poll to wither | UTP | L-LCF | L-C1 | L-TMJ | R-TMJ |
| 3 | Hd dn | UTP, R-PP | L-U-Scp Rl | L-U-Scp Rl | R-Hd Up | L-TMJ |
| 4 | R-BL wither to loin | UTP | L-C7/T1 | L-Scp R1-F | L-TMJ | R-TMJ |
| 5 | L-BL loin to ting | SacFl | L-Scp Rl-B | L-Scp R1-L | L-BL poll to midback | R-Tong |
| 6 | R-Scp Rl-B | SacFl, UTP | L-Scp Rl-L | L-St Lft | R-TMJ | L-Tong |
| 7 | R-Scp Rl-F | SacFl, L-Psoas | L-Scp Rl-F | L-Scp RI-F | R-C1 | R-Tong |
| 8 | R-Scp Rl-L | SacFl | L-WW | L-St Lft | R-C1, R-TMJ | R-Hd Up |
| 9 | R-U-Scp R1 | PSP | L-Hd Up | L-St Roll | R-BL poll to midback | R-LCF |
| 10 | R-Scp Rl-B | R-FP | L-St Lft | L-Scp RI-B | L-BL withers to hip | L-LCF |
| 11 | UTP | R-Hleg-F | L-TMJ | L-Scp R1-L | L-BL hip to hock, L-PP | R-U-Scp Rl |
| 12 | UTP, SacFl | R-Hleg-Fm | L-Tong | L-Scp RI-F | R-BL withers to hip | L-Scp Rl-B |
| 13 | UTP | UTP, SacFl | Hd dn | L-St Lft | L-BL hock to Ting | L-Scp Rl-L |
| 14 | L-SIP | SacFl, PSP | R-TMJ | L-LCF | L-BL Ting, L-SP | L-Scp Rl-F |
| 15 | R-SIP | L-FP | Hd dn | L-C1 | L-BL Ting, L-BL 40 | L-WW |
| 16 | R-PP | L-Hleg-Fm | R-LCF | L-C1/C2, Hd dn | L-BL 40 to Ting | L-WW, L-St Lft |
| 17 | R-PP, R-HJ | L-Scp Rl-F | L-Hd Up | Hd dn | L-WW | L-St Lft, L-PP |
| 18 | L-PP, L-HJ | L-Scp Rl-L | Hd dn | L-TMJ | L-LCF | L-PP, L-SIP |
| 19 | R-FP | L-Scp R1-B | R-Hd Up | Hd dn, L-C7 | R-LCF | L-SIP, L-SP |
| 20 | R-Hleg-F | Hd dn | R-LCF | Hd dn, L-C5 | L-St Lft | L-SP, L-HJ |
| 21 | R-St I/O | L-TMJ | R-Scp R1-B | L-C4, L-SIP | R-St Lft | L-HJ |
| 22 | R-Hleg-Fm | Hd dn | R-Scp RI-F | L-PP | R-St Roll | L-HJ, SacFl |
| 23 | R-Hleg-Fm, L-Psoa | L-LCF, L-C2 | R-Scp Rl-L | L-PP, L-SIP | SacFl | SacFl, UTP |
| 24 | R-Hleg-Fm, L-SP | R-LCF, R-C2 | R-U-Scp Rl | SacFl, UTP | SacFl, UTP | PSP |
| 25 | R-Hleg-B | L-C1 | R-C7/T1 | UTP, PSP | R-FP | L-FP |
| 26 | R-Hleg-F, L-SP | L-Tong | R-U-Scp Rl | L-HJ, L-SP | R-St I/O | L-St I/O |
| 27 | L-FP | R-Tong | R-St Lft | R-HJ, R-SP | R-PP | L-Hleg-Fm |
| 28 | L-Hleg-F | L-WW | UTP | R-SP, R-PSI | R-Hleg-Fm | L-Hleg-Fm, L-SP, L-HJ |
| 29 | L-Hleg-L | R-Scp Rl-F | SacFl, R-SIP | R-Psoas, R-PP | R-Hleg-L | L-Hleg-Fm, L-HJ |
| 30 | L-Hleg-Fm | R-Scp Rl-L | SacFl, L-HJ | R-PP | R-Hleg-Fm | L-Hleg-Fm, L-SIP |
| 31 | L-Hleg-Fm, L-SP | Done | SacFl, L-SIP | R-FP | R-Psoas | R-Scp Rl-B |
| 32 | Done |  | UTP | Done | L-FP | R-Scp Rl-L, R-St Lft |
| 33 |  |  | R-PP |  | L-St I/O | R-Scp R1-L, R-St Roll |
| 34 |  |  | R-PP, R-HJ |  | L-Hleg-Fm | R-FP |
| 35 |  |  | R-SP |  | L-Hleg-Fm, L-SP | R-Hleg-Fm |
| 36 |  |  | R-FP |  | L-Hleg-Fm, Acc gaskin to thigh | R-PP |
| 37 |  |  | R-St I/O |  | L- Lat Rk | SacFl, UTP |
| 38 |  |  | L-PP |  | L-Hleg-F | R-PP, R-HJ |
| 39 |  |  | L-PP, L-HJ |  | L-Hleg-L | R-SIP |
| 40 |  |  | L-PP, L-SIP |  | L-Hleg-F | Done |
| 41 |  |  | L-PP, L-Psoas |  | L-Hleg-B |  |
| 42 |  |  | L-Hleg-Fm |  | L-Hleg-L |  |
| 43 |  |  | L-Hleg-Fm, L-SP |  | SacFl |  |
| 44 |  |  | L-SP, L-HJ |  | SacFl, L-Psoas |  |
| 45 |  |  | L-Lat Rk |  | R-Hd Up |  |
| 46 |  |  | R-Hd Up |  | R-LCF |  |
| 47 |  |  | Hd dn |  | R-U-Scp Rl |  |
| 48 |  |  | R-LCF |  | L-LCF |  |
| 49 |  |  | R-C7/T1 |  | L-U-Scp R1 |  |
| 50 |  |  | L-LCF |  | L-C7/T1 |  |
| 51 |  |  | L-C7/T1 |  | Done |  |
| 52 |  |  | Hd dn |  |  |  |
| 53 |  |  | Done |  |  |  |


|  | Masterson Metho | d Sessions |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Horse 3 |  |  |  |
| technique order | Session 1 | Session 2 | Session 3 | Session 4 |
| 1 | R-Scp R1-B | Hd dn | Hd dn | Hd dn |
| 2 | R-Scp Rl-L | L-LCF | R-TMJ | L- Hd Up |
| 3 | R-Scp R1-F | L-Scp R1-F | L-TMJ | R- Hd Up |
| 4 | R-Scp R1-Fm | L-Scp Rl-B | L-LCF, C1 | Hd dn |
| 5 | Hd dn | L-Scp Rl-L | R-LCF | L-TMJ |
| 6 | R-BL poll to withers | L-Scp R1-L,Acc | R-Scp R1-B | Hd dn |
| 7 | L-BL poll to withers | L-Scp Rl-L, St Lft | R-Scp Rl-B, R-St Lft | L-LCF |
| 8 | L-LCF | L-U-Scp R1 | R-Scp Rl-L | L-C2 |
| 9 | R-LCF | L-LCF, C3 | R-Scp R1-F | R-TMJ |
| 10 | L-LCF | L- C1, L-WW | L-Scp Rl-B | R-C1 |
| 11 | R-LCF | R-C1 | L-Scp Rl-B, L-St Lft | Hd dn |
| 12 | L-Scp R1-B | R-C2 | L-PP, L-HJ | R-LCF |
| 13 | L-WW | R-Scp R1-B | L-SIP | Hd dn |
| 14 | L-Hd Up | R-Scp R1-L | L-SIP, L-SP | R-Scp Rl-B |
| 15 | L-Tong | R-Scp Rl-L, Acc* | R-HJ, R-PP | R-Scp Rl-B, R-St Lft |
| 16 | L-TMJ | R-Scp Rl-L, R-St Lft | R-SIP | R-Scp R1-L |
| 17 | R-Tong | R-Scp Rl-F | SacFl | R-Scp Rl-L, R-St Lft |
| 18 | L-HP, L-PP | R-U-Scp Rl | SacFl, UTP | R-Scp R1-F |
| 19 | L-FP | R-Hd Up | SacFl, PSP | L-Scp Rl-B |
| 20 | Done | R -Tong | L- Lat Rk | L-Scp R1-B, L-St Lft |
| 21 |  | L-TMJ | Acc Left Hip | L-Scp Rl-L |
| 22 |  | R-TMJ | L- Lat Rk | L-Scp R1-L, L-St Lft |
| 23 |  | R-PP | L-FP | L-Scp R1-F |
| 24 |  | UTP | L-Hleg-F, L-SP | L-St Lft |
| 25 |  | SacFl | L-Hleg-B | R-St Lft |
| 26 |  | R-HJ, R-PP | L-Hleg-B, SP | Done |
| 27 |  | R-PP | L-Hleg-B, Psoas |  |
| 28 |  | R-SP, R-HJ | R-FP |  |
| 29 |  | L-PP, L-HJ | R-LCF |  |
| 30 |  | L-FP | L-LCF |  |
| 31 |  | Done | SacFl, SIP |  |
| 32 |  | *Acc Shoulder/forearn | R-LCF |  |
| 33 |  |  | R-U-Scp R1 |  |
| 34 |  |  | L-LCF |  |
| 35 |  |  | L-U-Scp R1 |  |
| 36 |  |  | Hd Dn |  |
| 37 |  |  | Done |  |


|  | Masterson Method Sessions |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Horse 4 |  | Horse 5 |  |
| technique order | Session 1 | Session 2 | Session 1 | Session 2 |
| 1 | Hd dn | Hd dn | Hd dn | Hd dn |
| 2 | R-LCF | L-LCF | L-SIP | L-UTP |
| 3 | L-LCF | L-Scp R1-B | L-BL poll to withers | SacFl, SIP |
| 4 | R-U-Scp R1 | L-Scp R1-L | R-BL poll to withers | SacFl, UTP |
| 5 | R-C7/T1 R1 | R-Scp R1-B | L-BL withers to hip | UTP, R-SIP |
| 6 | R-Scp Rl-F | L-LCF | R-BL withers to hip | R-SIP |
| 7 | R-Scp R1-L | SacFl | L-BL withers to hock | R-HJ, R-PP |
| 8 | R-Scp R1-B | SacFl, L-SIP | Hd dn | R-PP, R-SP |
| 9 | Hd dn | SacFl | R-BL withers to hip | R-SP, R-HJ |
| 10 | L-LCF | R-LCF | R-BL hip to ting | L-SIP, L-PP |
| 11 | Hd dn | Hd dn | R-HJ | L-PP, L-HJ |
| 12 | L-LCF | R-LCF | L-LCF | PSP |
| 13 | R-LCF | R-Hd Up | L-TMJ | PSP, L-SIP |
| 14 | R-U-Scp Rl | R-Scp R1-F | L-LCF | R-Hleg-B |
| 15 | R-LCF | R-Scp Rl-Fm | R-LCF | R-Hleg-B, R-PP |
| 16 | L-U-Scp R1 | R-Scp R1-L | Hd dn | R-Hleg-B, R-SIP |
| 17 | L-C7/T1 R1 | R-Scp R1-L, R-St Lft | R-TMJ | L-Hleg-B, L-SIP |
| 18 | L-U-Scp R1 | R-St Roll | Hd dn | L-FP |
| 19 | L-Scp Rl-F | R-Scp Rl-B | R-TMJ | L-Hleg-Fm |
| 20 | L-Scp Rl-Fm | R-Scp R1-L | R-Tong | Psoas |
| 21 | L-Scp Rl-B | SacFl, R-PP | L-Tong | L-FP |
| 22 | L-Scp R1-L | L-Psoas | Hd dn | L-St I/O |
| 23 | L-St Lft | L-Psoas, L-SP | Done | R-FP |
| 24 | L-St Roll | R-PP, R-SP |  | R-St I/O |
| 25 | L-SIP | R-SP, R-HJ |  | L-Hleg-B, SP |
| 26 | L-SIP, L-PP | L-Psoas, L-HJ |  | R-FP |
| 27 | R-SIP | L-SIP, PSP |  | R-St I/O |
| 28 | R-SIP, UTP | SacFl, PSP |  | R-Hleg-Fm |
| 29 | SacFl | SacFl, L-PP |  | R-Hleg-Fm, R-PP, R-SP |
| 30 | SacFl, R-Psoas | R-FP |  | R-FP |
| 31 | SacFl, L-SP | R-Hleg-Fm |  | R-St I/O |
| 32 | SacFl, L-Psoas | R-Hleg-Fm, R-Psoas |  | R-Hleg-L |
| 33 | SacFl, L-PP | R-Hleg-Fm, R-SP |  | R-St Lft |
| 34 | L-FP | L-FP |  | R-Scp R1-F |
| 35 | L-Hleg-F | L-Hleg-Fm |  | Hd dn |
| 36 | L-Hleg-B | L-Hleg-Fm, L-Psoas |  | R-St Lft |
| 37 | R-FP | L-Hleg-Fm, L-PP |  | L-St Lft |
| 38 | R-Hleg-Fm | R-Hleg-B |  | L-Scp Rl-F |
| 39 | R-Hleg-Fm, R-SP | R-FP |  | R-LCF |
| 40 | R-Hleg-B | R-Hleg-L |  | Done |
| 41 | R-Lat Rk | R-Hleg-L, R-SP |  |  |
| 42 | R-SIP | R-St I/O |  |  |
| 43 | R-FP | R-Tong |  |  |
| 44 | R-St I/O | R-TMJ |  |  |
| 45 | R-Hleg-F | L-TMJ |  |  |
| 46 | R-Hleg-F, R-SP | L-Hd Up |  |  |
| 47 | R-SP | R-Hd Up 40 |  |  |
| 48 | Done | Done |  |  |



