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Example of horse behavior video

ti <u>C</u> pated Results:

- in progress; military veteran group data te, experienced rider group data in progress
- tre eutic horseback riding activities will be no tressful to horses than when resting and not d in work
- peutic horsebad rienced riders I health diagno than with same seback riding activities with ders having physical limitations and agnoses will be no more stressful to same activities and experienced



P



Significance:

- Important for growth of therapeutic

 Address current equine point opula riding g pro iss Solo ams sues
- reducing ssist t therapeutic riding o nec centers to de ary elop pro cedur

D S earch Questions:

- gro an 0 nte what e O dn riding ntra rum to xtent **O**X rie do h Of \bigcirc 0 IS W ad ol o \bigcirc ſ 2 en cor riders working ases in ci s; du in C th milita hor Irin ing \mathbf{O}
- N To what \square ent do hors working in therap eutic riding





- ge amples nples collected from jugular vein, labelled, d, stored in sub-zero temperature freezer
- amples shipped for processing at conclusion of
- \mathbf{O} e videos taken of each horse in same method groups on resting day, before lesson, after and after lesson on weeks 1, 3, and 6 as ry stress measurement
- stres: dized videos analyzed by research assistants to tress behaviors scored using nationally ized equine stress behavior instrument
- scored in 15-second intervals, averaging score to obtain overall video score each
- **~** er reliability used between research assistants expert horseperson on video scoring

Human

Sarita

Philip Johnson, S <u>SN</u> \leq / Z ND, MPH;



Cathy

Research Center for Human-Anim n Ο D < 0 D ge of Veterinary Medicine

ackgrou und 20 Significanc \bigcirc •

- Currently ov world-wide over 850 accredited therapeutic riding facilities
- Many pos for individu disabilities sitive benefits of therap duals with severe physi lik re ph with \bigcirc eutic ho and B S ent: atic D C k riding
- ang dx tre r lev Ĩ en to hors se may be induce balance, tense po 0 ture by la **5 D** ck Ind of riding d high a **D** ng anxiety or
- Limited horseba research available for hors ack riding programs \mathbf{O} stre SS in thera 0 tic



$\mathbf{\hat{}}$ <mark>%</mark> Methods:

- am ding i horses used in separate 6-week therapeutic essions for military veteran group with Post-itic Stress Disorder and healthy, experienced pup as negative control
- ding protocol used in both conditions
- **On** ja C em ortis d by ent befo sol, ide eks I, ACTH and glucose r lentical process for bo fore lesson, after tack ks 1, 3, and 6 as prim ose measu or both grou r tacking, ai primary str stre sure oups and em. ents on fte



Patel, Veterinary Me dic ف <mark>()</mark> tude **;** Re σ D 0 C 0 5 5 ら 0 5 **_** FAAN, FNAP;

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S B S Workir orograms