California And Texas Racing Quarter Horse EIA/EP Investigation Lessons Learned

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2014 IDOHC Presentation
California Racing Quarter Horse EIA/EP Incident

- 2012-2013 Investigation
  - 8 EIA Infectious Anemia
  - 9 Equine Piroplasmosis
  - 2 dual infections
  - 5 premises with 108 exposed horses
    - 3 premises with positives
- 2014 Investigation
  - 26 Equine Infectious Anemia:
  - 11 Equine Piroplasmosis
  - 8 Dual Infection
  - 19 total premises with 245 exposed horses
    - 13 premises with positives
- Grand Total
  - 34 EIA, 19 EP, 10 dual infections
Texas

- Between 2012-2014
  - 18 racing QH positive for EP
    - 8 treated and released
  - 12 racing QH positive for EIA
  - 3 dual infections

- Texas Laws
  - Since 1997: Texas requires negative EIA at change of ownership and for attendance at any equine event (including racetracks)
  - Since 2011: Negative T. equi test to enter racing facility
EIA/EP Positives
CA Epidemiologic Survey
Preliminary Data

- 68 surveys
  - 19 positives (3EP, 7 EIA, 9 Dual)
  - 39 negative

- Odds Ratios
  - 12.50 Horses being treated for illness or injury in the last 12 months
  - 23.54 History of Racing
    - Positives: 3 Sanctioned, 7 non sanctioned, 1 both
    - Negatives: 8 Sanctioned, 2 non sanctioned, 7 both
  - 26.1 Race training (at time of detection)
Additional Investigation Findings

• Sanctioned and Unsanctioned Racing
  – Fair Racing, Claiming Races
• Younger Horses: Average Age 4.6 yo
• Sharing of needles, syringes, IV sets
• Contamination of multi-dose vials
• California: No tattoo or dental link
• Blood Product
Challenges

- Language Barriers
- Limited Documentation
- Quarantine for retest
- Illegal Movements
- Fair Racing Circuit
- Unsanctioned Racing Culture
- Horse Misidentification - Switching Horses
  - CA: Microchip and digital photos
  - TX: Microchip plus P Brand or lip tattoo or digital photos
- "Sharing of Coggins"
- EMRS2
Tools

- AQHA Registry: Tattoo Verification
- Equibase: Racing Charts
- Race Track Shipping Logs: Movement Verification
- Border Crossing Report: Movement Verification
- CA Horse Racing Board: Owner Trainer Records
- Texas EP Laboratory Test Document
Texas Animal Health Commission

EQUINE PIROPLASMOSIS LABORATORY TEST

NAME AND ADDRESS OF OWNER (Please type or print)

Misty Velazquez Correa
525 Macedonia
Dallas, Texas 75242

NAME AND ADDRESS OF STABLE/MARKET (Please type or print)

352 Caliber Lane
Sagua, Texas 75240

REASON FOR TESTING

Exposed Cohorts to TXP 10007

DATE BLOOD DRAWN (MM/DD/YYYY)
08/15/2010

CERTIFICATION OF PERSONNEL ACCREDITED VETERINARIAN

I certify the specimen submitted with this form was drawn by me from the horse described below on the date indicated above.

NAME AND ADDRESS OF VETERINARIAN (Please type or print)

Dr. Max Dow
TAHC Region 3
8951 West Camp Bowie Blvd #104
Fort Worth, TX 76116

Signature / Date: __________________________ Telephone number: (800-687-4603)

USDA Accreditation number: BV 049

TAHC Form: 16-07 (Revised 09/30/2010)

EQUINE PIROPLASMOSIS LABORATORY TEST

HEAD

Few white hairs faint star

Left Forelimb

None

Left Hindlimb

None

Forequarter Description and Remarks if Distinctive Markings Are Not Shown on Attached Photos

Lab Name

Date received

Y. equi

B. caball

Date reported out

CELSA

CF

PCR

Blood Smear
Food for thought

• Do you believe this is just a California/Texas issue?
  – No, these horse are seeded in the population

• Where do these Quarter Horses go after racing?
  – Barrel, Roping, Rodeo, Trail, etc.

• How can we address diseases in the bush track racing population?
  – Texas Proposed Regulations vs Non-regulatory options

• Can this disease be controlled in this high risk population?
  – Illegal movement of horses between Mexico