



At BVEH your horse's health is our passion. Our goal is to care for each patient, from conception through retirement, with the highest quality care available at a reasonable cost. As highly trained and dedicated professionals, we are committed to exceeding expectations and to helping each horse reach its full athletic potential.



Brazos Valley Equine Hospital

BVEH EXTERNSHIP

- **To provide a high level of exposure to broaden the interests and skills of veterinary students.**
- **The extern will have the opportunity gain hands-on experience in a fast-paced, friendly environment.**
- **This program should provide the extern with enough clinical exposure to allow a solid foundation to pursue further studies in equine sports medicine.**

• extern.navasota@bveh.com

936-825-2197



Brazos Valley Equine Hospital

Pregnant Mares and Soon to Be Pregnant Mares

Ben Buchanan



Brazos Valley Equine Hospital

Pregnant Mare

- **General Health**
 - **Vaccines**
 - **Nutrition**



Pregnant Mare

- **General Health**
 - **Vaccines**
 - **Nutrition**
- **Vaccines**
 - **5, 7, 9**
 - **EHV – 1**
 - **Rotavirus**
 - **Day 300**
 - **All vaccines**



Pregnant Mare

- **General Health**
 - **Vaccines**
 - **Nutrition**
- **Nutrition**
 - **Last trimester**
 - **Increase in caloric need for mare and foal**
 - **Last chance to supplement neonatal stores**



Pregnant Mare

- **General Health**
 - **Vaccines**
 - **Nutrition**

- **Nutrition**
 - **Last trimester**
 - **Increase protein**
 - **Increase mineral**
 - **Difficult to put weight on lactating mare**
 - **Address weight before last trimester**



Pregnant Mare

- **Pre-Foaling**
 - **Caslicks**
 - **Where to Foal**
 - **Before nursing**



Pregnant Mare

- **Pre-Foaling**
 - **Caslicks**
 - **Where to Foal**
 - **Before nursing**
- **Vulvoplasty**
 - **Necessary for breeding some mares**
 - **Must be opened prior to foaling**



Pregnant Mare

- **Pre-Foaling**
 - **Caslicks**
 - **Where to Foal**
 - **Before nursing**
- **Foal Outside!**
- **Avoid**
 - **Foaling stall**
 - **Poor air turnover**



Pregnant Mare

- **Pre-Foaling**
 - **Caslicks**
 - **Where to Foal**
 - **Before nursing**
- **After foal born**
 - **Wash udder**
 - **Warm soap and water**
 - **+/- Enema**
 - **Dip umbilicus**



Pregnant Mare

- **Summary**

- **Put on weight in early to mid pregnancy**
- **Supplement protein and mineral**
- **Vaccinate appropriately during and at end of pregnancy**



Pregnant Mare

- **QUESTIONS?**



Brazos Valley Equine Hospital

Soon to Be Pregnant

- **Anestrus
and Lights**
- **Nutrition**



Soon to Be Pregnant

- **Anestrus and Lights**
- **Nutrition**
- **Start under lights**
 - **Thanksgiving to December 1**
 - **107 lux (100 W)**
 - **14.5 hours continuous**
 - **Pulse lighting?**



Soon to Be Pregnant

- **Anestrus and Lights**
- **Nutrition**
- **Hormone manipulation**
 - **Work better in transitional mares**
 - **Not for anestrus**
 - **Start Dec 1**



Soon to Be Pregnant

- **Anestrus and Lights**
- **Nutrition**
- **Body Condition**
 - 5 or greater
 - Hard to put weight on lactating mare
 - No specific needs other than quality calories



Soon to Be Pregnant

- **Anatomy**
- **Infections**



Soon to Be Pregnant

- **Anatomy**
- **Infections**
- **Vulva and vestibule seal and protect vagina**
- **Cervix protects uterus**
- **All can be damaged**



Soon to Be Pregnant

- **Anatomy**
- **Infections**
- **Speculum exam**
- **External genitalia exam**



Soon to Be Pregnant

- **Anatomy**
- **Infections**
- **Infection will prevent pregnancy**
- **Culture and Cytology**
 - **All open mares**



Soon to Be Pregnant

- **Anatomy**
- **Infections**
- **Uterine Biopsy**
 - Any open mare
 - Question embryo transfer or carry?



Soon to Be Pregnant

- **Anatomy**
- **Infections**
- **Uterine Biopsy**
 - Any open mare
 - Question embryo transfer or carry?



Soon to Be Pregnant

- **Summary**

- **Correct body condition**
- **Correct infections**
- **Correct anatomy**
- **Biopsy older/barren mares**
- **Start under lights NOW**



QUESTIONS



Brazos Valley Equine Hospital

Semira Mancill

- **WELCOME to BVEH**
- **Repro Specialist**
 - **Board Certified**
 - **Masters Reproductive Physiology**
 - **Specializes**
 - **Subfertile mares and stallions**



Thank You

- **Ben Buchanan, DVM, DACVIM, DACVECC**
 - **Brazos Valley Equine Hospital**
 - **bbuchanan@bveh.com**
 - **936-825-2197**



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