

**BIOMEDICAL & VETERINARY SCIENCES  
GRADUATE PROGRAM**



**ANNOUNCES**

The Master of Science Seminar and Examination  
of

**Christine T. Moyer, DVM**

**“Evaluation of a Human-Derived,  
Lyophilized, Milled Amnion Product for  
Equine Wound Healing”**

**Thursday, May 3, 2018**

**8:00 am**

**Marion duPont Scott Equine Medical Center Library**

## Bio



Dr. Christine Moyer graduated summa cum laude from Kansas State University College of Veterinary Medicine in 2013 after completing an undergraduate degree in animal sciences and industry in 2009. She grew up in the Kansas City area riding hunter/jumper horses and competing in United States Equestrian Federation (USEF) shows around the country.

She completed a year-long hospital internship at Rood and Riddle Equine Hospital in Lexington, Kentucky and has been at Marion duPont Equine Medical Center since July 2014, first completing an internship in equine internal medicine, and staying to complete a residency in large animal surgery. Dr. Moyer's professional interests include emergency medicine and diseases of the foot.

### Funded by

Virginia–Maryland College of Veterinary Medicine

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### Lay Language Abstract

Poorly healing wounds can be debilitating in horses. Amnion-derived treatments have been used in the horse and other species and been shown to improve wound healing. The purpose of this project was to evaluate a processed human amnion material in the horse to evaluate its safety and efficacy. After creation of standardized skin wounds, the test product was applied to one limb, and compared to untreated wounds on the horse's opposite limb. We found that the amnion material in this study caused swelling and longer wound healing times in horses. Therefore, this particular material is not recommended for use on horse wounds.

### Presentations

**Moyer CM**, Ball EE, Murphy SV, Byron CJ, Barrett JG. Evaluation of a Human-Derived, Lyophilized Amnion Product in Equine Wound Healing. VMCVM Research Symposium. Blacksburg, VA March 2018. Podium presentation.

**Moyer CM**, Ball EE, Murphy SV, Byron CJ, Barrett JG. Evaluation of a Human Amnion Material for Equine Wound Management. VMCVM Research Symposium. Blacksburg, VA March 2017. Poster.

## Examination Graduate Committee

### **Major Advisor/Chair**

Jennifer G. Barrett, DVM, PhD, Dipl. ACVS  
Theodora Ayer Randolph Professor of Equine Surgery  
Department of Large Animal Clinical Sciences

### **Graduate Advising Committee Members:**

Chris Byron, DVM, MS, Dipl. ACVS  
Assistant Professor  
Department of Large Animal Clinical Sciences

Nathaniel A. White II, DVM, MS, Dipl. ACVS  
Professor Emeritus of Equine Surgery  
Department of Large Animal Clinical Sciences

