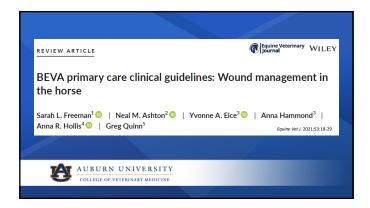
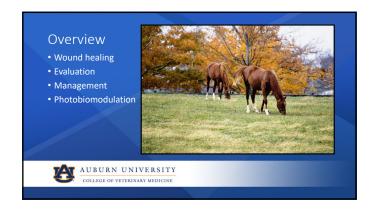
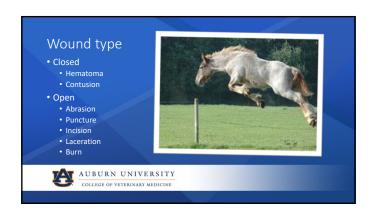
Management of Distal Limb Wounds J.T. Vaughan Equine Conference October 5-7, 2023 Fred Caldwell, DVM, MS, DACVS, DACVSMR AUBURN UNIVERSITY COLLEGE OF VETERINARY MEDICINE

Distal limb wounds Common condition requiring emergency treatment in horses Can involve critical structures due to minimal soft tissue protection Prone to formation of exuberant granulation tissue Horses return to function is the ultimate goal AUBURN UNIVERSITY COLLEGE OF VETERINARY MEDICINE







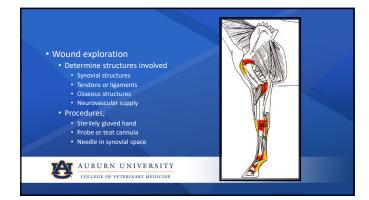


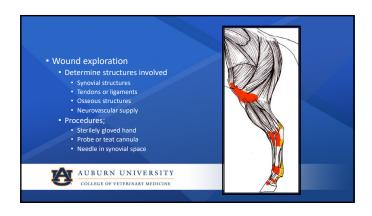


























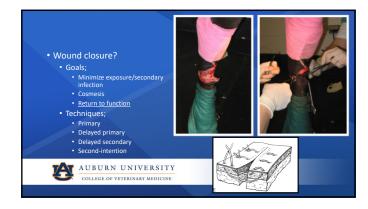




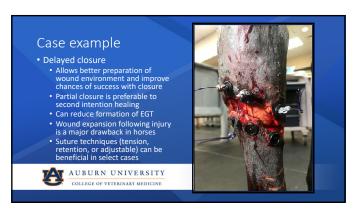










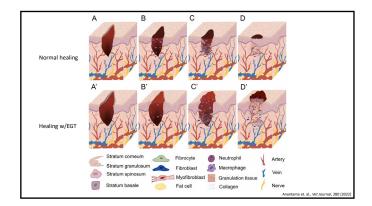


Exuberant granulation tissue (EGT) • Develops almost exclusively in distal limb wounds healing by second intention

- Inflammatory phase is less intense, but more prolonged in limb wounds compared to thoracic wounds
- Highly disorganized tissue healing response that frequently extends beyond epithelial margins

















WILEY

Veterinary Surgery, 2020;1-9

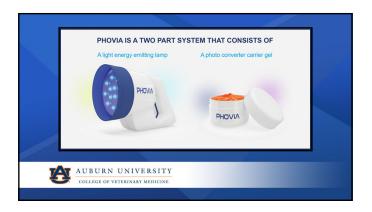
Effect of the topical Klox fluorescence biomodulation
system on the healing of canine surgical wounds

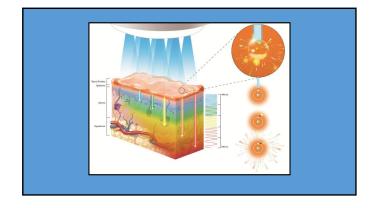
Alberto Salvaggio DYM, PhD. | Gian Enrico Magi DYM, PhD. DECAH |
Giacomo Rossi DYM, PhD. | DECZM | Adolfo Maria Tambella DYM, Misc |
Ccelia Valio DYM, PhD. | Andrea Marchagain DYM, PhD. |
Riccardo Botto DYM | Angela Palumbo Piccionello DYM, PhD 9

• Healthy dogs undergoing orthopedic surgeries
• Increased growth factor expression in treated vs. control incisions
• Improved re-epithelialization, reduced inflammation, greater collagen deposition

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Summary

- Thorough initial evaluation of wounds
- Consider methods to improve wound healing to ensure best chance for return to previous function
 - Wound closure techniques
 EGT management
 Skin grafting
- Photobiomodulation can be useful in improving wound environment and enhancing healing





