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Wounds Involving Bone

James A. Orsini, DVM, DACVS

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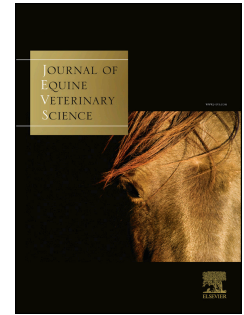
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Abstract

Most serious wound infections involve at least one, and usually a combination, of these factors: 1. Extensive contamination, or bacterial burden that overwhelms the patient's resources 2. refugia which protect the bacteria from host defenses and antibiotic drugs 3. immunocompromise 4. poor perfusion 5. antibiotic insensitivity of the wound pathogen(s) In horses, wounds that involve bone, range in severity, complexity, and long-term impact from those containing a sequestrum, to septic osteomyelitis at the site of internal fixation. The principles of successful treatment are: • debride the devitalized or irreparably damaged bone and soft tissue • preserve and protect the vascular supply to bone and soft tissue • maintain or restore structural integrity at the site • control infection through appropriate local / regional and systemic antibiotic therapy • protect the wound from further contamination, desiccation, maceration, and trauma

Keywords Wounds; Bone; Infection; Equine; Horse

Corresponding Author James Orsini

Corresponding Author's Institution University of Pennsylvania

Affiliation : Clinical Studies - New Bolton Center, University of Pennsylvania, 382 West Street Road, United States,

Telephone No: 610 925-6402,

Email Address: orsini@vet.upenn.edu

Order of Authors James Orsini

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