



Histologic section of deep full thickness dermal burn in minipig demonstrating total epithelial loss, deep and severe collagen damage and damage to the underlying adipose tissue.

Burns and Dermatitis

BURN OVERVIEW

Whether it is a small nick, a large surgical incision, or a burn, healing is dependent upon the body's ability to heal itself. A vital role is played by our own natural biomolecules in the healing process, including their contribution to the growth of new cells and the development of new blood vessels that provide nutrients to those cells. Here at Comparative Biosciences, Inc. we are developing the models to test the therapeutics that could accelerate the wound healing process.

METHODS OF ASSESSMENT INCLUDE:

- Wound Healing Progression With Digital Image Analysis Of Wound Size And Closure
- Draize Scoring
- Transepidermal Water Loss
- Body Temperature And Body Weights, Food Consumption
- Hematology And Clinical Chemistry
- Serum And Tissue Markers Of Inflammation
- Serial Biopsies
- Histopathology And Photomicroscopy
- Special Stains And Immunohistochemistry
- Histochemistry
- Custom Upon Request

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A TRANSLATIONAL APPROACH TO PRECLINICAL RESEARCH