

MULTIPLE ACUTE NECROTIZING DERMATITIS, CANINE TOXIC SHOCK SYNDROME, AND TOXIC EPIDERMAL NECROSIS

CASE STUDY – HBOT & VETERINARY MEDICINE

Jack

ACUTE ONSET OF SKIN LESIONS



Day 1 - Before HBOT



Day 30 – After 21 HBOT Treatments

A 7-year-old male neutered Sharpei was referred for an acute onset of skin lesions concentrated over the posterior part of the body and rear limbs. The patient had been treated with a tyrosine kinase receptor inhibitor for multiple recurring cutaneous mast cell tumors over the period of three months prior to referral for HBOT. A veterinary dermatopathologist interpreted the biopsies as multiple acute necrotizing dermatitis, canine toxic shock syndrome, and toxic epidermal necrosis (“TEN”).

Culture of the skin biopsy revealed beta hemolytic strep sensitive to azithromycin. There was a marked (1.8 mg/dl) hypoalbuminemia. Treatment included azithromycin, HBOT, hydrotherapy, hand feedings, and prednisolone.

The first three days, one hour sessions at 1.5 ATA BID were given, followed by 9 consecutive once daily sessions, then sessions once every few days. A total of 21 sessions were given over a one-month treatment period.