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*A graduate of the University of Pennsylvania School of Veterinary Medicine, Dr. Clough founded Merrimack Veterinary Hospital (now a division of National Veterinary Associates) in New Hampshire in 1972. He is a co-founder of The New Hampshire Foundation for Companion Animal Care, Inc., a public non-profit for indigent pet owners, and is well known for his work in promoting the concept of hospice care for animals. Dr. Clough has owned Ridgebacks and treated them in his practice since 1969.*

## Dermoid Sinus Surgery in the Neonate Rhodesian Ridgeback

### Purpose:

To describe the surgical excision of Dermoid Sinus (DS) anomalies from the neck of Rhodesian Ridgeback puppies.

### Reasons:

The presence of a DS in a puppy has in the past prompted destruction of that individual, because inevitably the DS will abscess. These abscesses were thought to be impossible to manage. In the author's experience, surgical excision of infected DS lesions from adult dogs is a difficult operation, but it can have a successful outcome. Without surgery, an abscess will occur, usually within a year or so. This has been seen in a puppy of only 10 days of age. Surgical intervention is the only means of eliminating the problem.

This description will deal only with DS in the neck. The author has never seen a DS located below the ridge, except for one that he removed from the tail base of an older puppy.



### Method:

Puppies are heart-checked, examined, palpated and weighed during a routine post-natal office visit. Each pup has a drop of Butorphanol (Torbutrol) or morphine sulfate dripped under its tongue. Dew claws are excised with an Ellman electric cautery unit.

Pups with DS are anesthetized with a mask over the face using an

Isoflurane/oxygen gas mixture. The puppy is placed in a sternum-down position with a small gauze roll under the neck. The anesthesia mask is held by hand for best positioning and monitoring.

Following clipping of the hair, scrubbing with disinfectant and cloth draping, a 2cm, head-to-tail incision is made directly over the DS. The actual DS will be to one side of the incision and is easily identifiable. Using small locking iris forceps, the DS is grasped and a #11 blade is slid beneath it. Cutting upward, it is severed from the skin. This results in only a small amount of skin being removed and facilitates closure of the skin without a gap. Sharp-blunt dissection is carried out using iris scissors and iris forceps. The DS is



