

UNIVERSITY of PENNSYLVANIA
PHILADELPHIA 19104

The School of Veterinary Medicine
1800 Spruce Street

Mr. John Marsh
Invisible Fence, Inc.
Phoenixville, Pa. 19460

Dear Mr. Marsh,

Two dogs under light pentobarbital anesthesia were subjected to three hours of intermittent stimulation from your Sta-Put stimulator. The duration of the shock was eight seconds administered every two minutes. Two dogs were tested, varying between fifteen and twenty pounds each. The level of anesthesia was such that, upon stimulation, muscle activity was noted along the neck, the forelegs, and muscles over the thoracic cavity. Following the three hours of stimulation the two contact points were isolated and examined. With the exception of two points of skin indentation there was no gross evidence of burns, discoloration, or any other damage to the area of the contact. The sections were submitted to our pathology, laboratory for histological examination. The histology report is included, and in summary, reveals no abnormalities to the skin and no evidence of burn lesions.

In both anesthetized dogs the electrocardiogram was recorded during a series of stimulations. The electrocardiograms were run before, during and following the stimulatory period. No changes in the electrocardiogram pattern or heart rate were noted. Palpation of the pulse during this period also showed no changes in beat: nor an increase or a decrease in pulse pressure. The only difference noted was a superimposition of the electrical stimulation emitted from the Sta-Put stimulator on the ECG.

In summary, in the anesthetized dog there is no evidence of any thermal injury to the skin contact points, nor is there any evidence that the electrical output from the stimulator interferes or alters the electrocardiogram.

If I can be of any further assistance please don't hesitate to call.

Sincerely yours,

Lawrence R. Soma, V.M.D.,
Chairman, Department of Clinical Studies

LRS:mlm
Enclosure: biopsy report

[Recipient Name]
September 8, 2012
Page 2

Physically commissioned