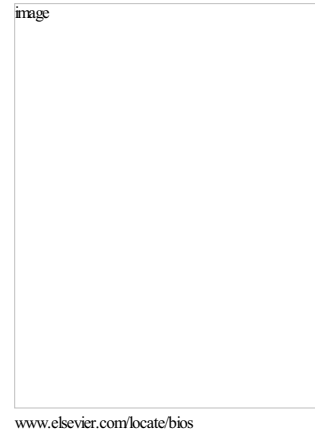


SCROTAL STALK ABLATION AND ORCHIECTOMY USING ELECTROSURGERY IN THE MALE SUGAR GLIDER (*PETAURUS BREVICEPS*) AND HISTOLOGIC ANATOMY OF THE TESTES AND ASSOCIATED SCROTAL STRUCTURES

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Brief Communication**Scrotal Stalk Ablation and Orchiectomy Using Electrosurgery in the Male Sugar Glider (*Petaurus breviceps*) and Histologic Anatomy of the Testes and Associated Scrotal Structures**

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Abstract

This report describes an alternative surgical technique for performing scrotal ablation and orchiectomy in the adult male sugar glider (*Petaurus breviceps*) using electrosurgery. Eight animals from a local small mammal shelter group that presented for routine surgical castration for population control measures were included in this study. Mean surgical time was 4.37 ± 2.13 seconds. Mean anesthesia time was 12.32 ± 5.63 minutes. Mean recovery time was 8.37 ± 3.68 minutes. Mean total procedure time was 22.24 ± 5.69 minutes. No peri-operative complications were reported. All animals appeared to have sufficient pain management with an analgesia and anti-inflammatory protocol using butorphanol and meloxicam. No over grooming and or self-injurious behaviors were reported by the local shelter during both the 24 hour and 14 day recheck examinations. Electrosurgery scrotal ablation and orchiectomy therefore offers an alternate route for the practicing veterinarian to perform safe and efficient castrations in male sugar gliders. Histologically in the epididymis, three of the eight sugar gliders had evidence of a well-defined region in the head, between the efferent ducts and the remaining epididymis. The lining cells differed morphologically from those constituting the remaining epithelial lining. The presence of eosinophilic vacuoles in the cytoplasm of the cells in this region suggests a secretory activity.

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