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

Raphael A. Malbrue, Carmen B. Arsuaga, Toi A. Collins, Jannelle L. Allen, Treyton J. Diggs, Ingeborg M. Langohr

PII: S1557-5063(18)30066-1
DOI: https://doi.org/10.1053/j.jepm.2018.02.037
Reference: JEPM777

To appear in: Journal of Exotic Pet Medicine

Cite this article as: Raphael A. Malbrue, Carmen B. Arsuaga, Toi A. Collins, Jannelle L. Allen, Treyton J. Diggs and Ingeborg M. Langohr, SCROTAL STALK ABLATION AND ORCHIECTOMY USING ELECTROSURGERY IN THE MALE SUGAR GLIDER (PETAURUS BREVICEPS) AND HISTOLOGIC ANATOMY OF THE TESTES AND ASSOCIATED SCROTAL STRUCTURES, Journal of Exotic Pet Medicine, doi:10.1053/j.jepm.2018.02.037

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.
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

Raphael A. Malbrue, DVM,
Carmen B. Arsuaga, DVM,
Toi A. Collins, ALAT,
Jannelle L. Allen, LAT,
Treyton J. Diggs, DVM,
Ingeborg M. Langohr, DVM, PhD, Dip. ACVP

From the Department of Pathobiological Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, Louisiana USA (Malbrue, Arsuaga, Allen, Langohr), Tuskegee University, College of Veterinary Medicine, Tuskegee, Alabama USA (Collins), Allstar Animal Clinic, New Orleans, Louisiana USA (Diggs).

Address correspondence to Raphael A. Malbrue, DVM, Division of Laboratory Animal Medicine, Louisiana State University - School of Veterinary Medicine, Skip Bertman Drive, Baton Rouge, LA 70803, USA. Email address: rmalbrue@lsu.edu. Phone: 225-931-2883

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.
دریافت فوری متن کامل مقاله

امکان دانلود نسخه تمام متن مقالات انگلیسی
امکان دانلود نسخه ترجمه شده مقالات
پذیرش سفارش ترجمه تخصصی
امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
امکان دانلود رایگان ۲ صفحه اول هر مقاله
امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
دانلود فوری مقاله پس از پرداخت آنلاین
پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات