Complimentary Eye Exams for Service Dogs in May

Contact Dr. Julie Fischer at (760) 466-0600
Contact Dr. Steve Hill at (858) 875-7500 x702
Contact Dr. Keith Richter at (858) 875-7500.

VSH Ophthalmologists Dr. Holly Hamilton and Dr. Nicole Roybal will participate in the May event which requires all dogs to undergo an ophthalmic examination on a first-come, first-served basis. The complimentary exams are available for service dogs only. The cost of the second endoscopy will be funded. Complimentary Eye Exams for Service Dogs in May

Contact: Dr. Andi Flory (760) 466-0600 or (858) 875-7500 x719
For more details about these and other clinical trials, please visit www.vshsd.com/togo or contact Caren Folbre at (858) 875-7500 x701. She’ll be happy to share information about the latest research, a general question and answer session or simply an opportunity to find out more about all of our services. Please plan to join us for a good time and meet the recipients of several awards.

Dr. Dog is an inveterate reader of current medical literature and was proud to participate in the latest issue of Veterinary Emergency and Critical Care Monthly. The topic was lymphoma therapy in dogs and cats. Dr. Dog was invited to present a lecture at City University of Hong Kong in conjunction with the Hong Kong Veterinary Association. The topic was lymphoma therapy in dogs and cats. Dr. RK Phillips presented a lecture in “Veterinary Oncology for the Small Animal Practitioner” at the 2013 ACVIM Annual Forum in Seattle. Dr. Nicole Behrman, a highly experienced dermatologist, will present a lecture entitled “An Evidence-Based Approach to the Evaluation of the Acne Lesion.” The lecture will take place at the American Academy of Dermatology Annual Meeting in Washington, DC. These doctors are also part of a panel that is completing a nationwide consensus document on veterinary chemotherapy safety that will be published in the most recent Journal of veterinary chemotherapy safety. Dr. Keith Richter is editing the Hepatobiliary/Pancreatic section of Veterinary Clinical Advisor (3rd Ed). His chapter on Feline Gastrointestinal Lymphoma is being introduced in the most recent issue of the ACVIM 2013 Annual Forum in Seattle, Washington on June 12-13. These doctors are also part of a panel that is completing a nationwide consensus document on veterinary chemotherapy safety that will be published in the most recent Journal of veterinary chemotherapy safety.

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On非激化性角膜溃疡

**Introduction**

非激化性角膜溃疡是原有的角膜溃疡，直到现在仍然存在。治疗的挑战在于找到一种有效的治疗方法，以促进角膜溃疡的愈合。

**Occurrence**

非激化性角膜溃疡常发生在老年人身上，尤其是犬。这个类型的溃疡通常会导致角膜的膜状物和暴露的基质。

**Diagnosis**

通过角膜荧光素染色（Corneal fluorescein stain）和角膜刮片（corneal impression cytology）来诊断非激化性角膜溃疡。荧光素染色可以显示角膜溃疡的范围和深度，而角膜刮片则可以帮助识别角膜溃疡的类型。

**Treatment**

治疗非激化性角膜溃疡的方法包括：使用局部和系统抗炎药物，保持角膜湿润，以及可能的情况下使用局部和系统抗生素。

**Outcomes**

非激化性角膜溃疡的预后取决于其类型和严重程度。一些病例可能需要手术治疗，如穿透性角膜移植术。

**Conclusion**

非激化性角膜溃疡的治疗需要综合考虑局部和系统用药，以及可能的手术干预。对于治疗上的挑战，我们需要更多的研究来探索新的治疗策略。

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**Phenobarbital (PB) and potassium bromide (KBr)**

这两种药物是治疗癫痫的常用药物，PB被广泛使用于老年犬，因为它能够降低药物的副作用。KBr则被一些非洲猎犬（African hunting dogs）用于治疗惊厥。

**Phenyltoin sodium (Dilantin)**

这是一种常用的抗癫痫药物，对治疗多种类型的癫痫有效，但是其副作用包括骨质疏松和血小板计数减少。

**Levetiracetam**

这是一种新的抗癫痫药物，对治疗老年犬的癫痫有效，但是其副作用包括皮疹和血小板计数减少。

**Zonisamide (ZON)**

这是一种新的抗癫痫药物，对治疗老年犬的癫痫有效，但是其副作用包括皮疹和血小板计数减少。

**Metronidazole**

这是一种常用的抗癫痫药物，但其治疗癫痫的效果有限。研究发现，与其他药物相比，这种药物可能对治疗老年犬的癫痫有效。

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Greetings Colleagues,

I hope all are having a great start to 2023. I’m starting my quarterly update with some updates on a few projects that have been in the works for a while now. One project that we’ve been working on is the implementation of our new MRI. This is a state-of-the-art 1.5 T unit, and it’s software and image quality are superb. It allows for much better visualization of bone and soft tissue, which is important for the work we do here.

Another project that we’ve been focusing on is the introduction of our new RIcHER Scale to provide stereotactic radiosurgery (STS). This is a technology that allows a much more precise and targeted radiation therapy, especially in cases where radiation is needed in a specific area.

Our blood donor program is one of our interesting projects that is progressing nicely. We have a strong donor base, and we are actively encouraging our employees to donate blood. Our VSH Green Team is also in high gear. For example, we just replaced every fluorescent light with an LED light. It is amazing how much power this saves in a 27,000 sq ft building.

Well, the football season is over, so for me that means I’m back on clinics on Saturday and Sunday days, so bring it on. Sadly I’ll miss the Sunday day games at Petco Park…

Keith Richter, DVM

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CORNEAL ULcers

Clinical Findings

Indolent corneal ulcers are similar to other ulcers with conjunctival injection, hyperemia, photophobia, and blepharospasm. These ulcers are deep corneal ulcers which usually involve the stroma. They are deep ulcerations in the corneal stroma and deep infection. They can cause significant loss of vision.

Keratitis involves bacterial keratitis and fungal keratitis. Bacterial keratitis is caused by Streptococcus pneumoniae, Staphylococcus aureus, and Escherichia coli. Fungal keratitis is caused by Aspergillus, Candida, and Fusarium.

Keratitis can be treated with topical antibiotics and oral antifungal medications. The treatment of keratitis involves surgical debridement of the cornea and topical medications. The recommended treatment is surgical debridement of the cornea and topical medications.

Treatment of corneal ulcers requires specific medical and surgical intervention. Keratitis can involve topical antibiotics, oral antifungal medications, and supportive care.

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Other Considerations

Case selection is essential. Corneal debridement by MPK, SK, or corneal burr indicates that superficial ulcers are the cause of pain, and this is the case for deep corneal ulcers.

If corneal lesions are determined to be keratitis, keratitis can be treated with topical medications and systemic medications, which are prescribed to treat inflammation. Treatment includes the use of topical medications and systemic medications, which are prescribed to treat inflammation.

There are many causes for delayed healing of superficial corneal ulcers, including bacterial keratitis, viral keratitis, and fungal keratitis. These ulcers can be painful.

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I will also use this opportunity as a shameless plug for our lab (STAT Veterinary Lab). Our blood donor program is one of our interesting projects that is progressing nicely. We are able to replace every fluorescent light with an LED light. It is amazing how much more appealing to clients while also saving on the power bill. Another great program is our employee engagement program where employees are given the opportunity to take time and engage with their clients. We have an incredible staff and we have instituted several activities to keep our clients engaged and our staff happy. This program has been very successful. For some of our clients’ needs, our VetGreen Team is also very helpful. For example, we offer emergency radiography (light only) on site to help speed up the care of our clients. Our clients are more than just clients to us. They are our partners in providing them the best care possible. We are truly committed to providing the best care possible to all of our clients.

Nonhealing Corneal Ulcers

HILLIY L. HAMILTON, DVM, MS, DACVD

Introduction

Indolent corneal ulcers, refractory corneal erosions, permanent corneal scarring and, rarely, corneal perforation are common corneal emergencies. Both clinical and spontaneous corneal epithelial defects (DER) are described. A typical indolent corneal ulcer is a slow, deep, non-healing ulcer that is slow to heal, does not heal, or recurs. Indolent ulcers are subject to this condition which usually affects middle age to older dogs. The typical presentation resulting in an abnormal healing of the corneal epithelium is an abnormal attachment to the corneal stroma or is discontinuous with stromal elements. The indolent ulcer is an epithelialized localized zone in the corneal stroma that provides a chronic source of epithelial cells adhering to the underlying stroma.

Clinical Features

Clinical signs of indolent corneal ulcers are similar to other ulcer and include pain, lacrimation, photophobia, and blepharospasm. The keratitis of pain leads to a decrease in vision. There are brown corneal ulcers and blue ulcers which is why sometimes appear as brown in color. Indolent corneal ulcers are superficial ulcers with loss of corneal epithelium and a characteristic neovascularization by stromal vessels extending to the corneal epithelium. Many patients have intense corneal vascularization. The hallmark of classical indolent ulcer is the true corneal epithelium. After initiation of topical anesthesia (proparacaine) the edge of an indolent ulcer will blush often greatly react to a conjunctival application, often significantly increasing the size of ulcer.

Treatment

Healing of indolent ulcers requires a specific method of corneal debridement. Keratotomy is a rapid and simple method of corneal debridement and has been shown to be safe and effective in removing the abnormal tissue. The advantage of corneal debridement is that it is not invasive and can be performed under topical anesthesia. The method of keratotomy is that the keratotomy incision is made with a scalpel or with a diamond-tipped laser. It is performed with a small gauge needle creating a keratotomy incision. Keratotomy is performed in the anterior stromal layers producing small, white lesions in cornea that may be difficult to visualize.
**Clinical Trials**

- **Internal Medicine – Maropitant (Cerenia)**
  - Dr. Steve Hill will be speaking at the ACVIM 2013 Annual Forum in Vegas, May 19, 2013.

- **Oncology – Dogs Receiving Doxorubicin**
  - Dogs already receiving doxorubicin are eligible.
  - Eligibility criteria:
    - Potentially resectable, dermal or subcutaneous tumors
    - If tumors are larger than 7 cm as exceptions may be made
    - Dogs may have previously received chemotherapy. Please visit www.vshsd.com/togo or contact Caren Folbre.

- **Internal Medicine – Canine IBD and Probiotic**
  - Dr. Nicole Boynosky, third year dermatology resident, will be presenting the abstract from her residency research project entitled A Retrospective Evaluation of the Prevalence, Antimicrobial Sensitivity, and Clinical Response of Corynebacterium spp. in Canine Diarrhea.
  - Dr. Hill has also been co-author on three recent publications:

- **Internal Medicine – Glomerular Disease Study**
  - The Merco Animal Foundation’s Canine Center in Florida has a tremendous success! Thanks to everyone for supporting Cancer 502, Welpie. Dr. Berghoff was voted the best pet sitter and from our heat-lovers: more than 10,000 pets are in need of the saving veterinary care! Free to attend! RSVP required. Contact: tara@merco-foundation.org.

- **Internal Medicine – Effectiveness of Maropitant (Cerenia)**
  - Contact Drs. Alexandra Hamilton or Steve Hill at (858) 875-7500.

**Practical Tips and Resource**

- **ACVO/Merial National Service Dog Eye Exam program that helps serve the dogs who dedicate their lives to serving us.** Please help get the word out to your appropriate clients. Our clients receive significant financial incentives. To participate in this program, please contact us. Contact: brooke@face4pets.org.

**Dinner Program**

- **SAVING THE DATE**
  - May 19, 2013 – VSH 3rd Annual Symposium
  - phone: (858) 875-7500
  - www.vshsd.com

- **ANNOUNCEMENTS**
  - Dr. Kate Adams will be presenting a veterinary symposium at the recent VPIFF meeting held in Feburary in Vegas.
  - On March 16, Dr. Kate Adams will be speaking in a Town Hall format to veterinarians in another symposium the same weekend in Vegas. For more details about these and other clinical trials, please visit our website at www.vshsd.com.

**FUNDRAISER**

- **FACE Foundation’s 3rd Annual Bags & Baubles event is Sunday, April 28th!**
  - Stila and women’s apparel, all proceeds will benefit family pets in need of life-saving veterinary care!
  - RSVP required. Contact: brooke@face4pets.org.

**OTHER EVENTS**

- **idas 10th Annual Symposium**
  - phone: (858) 875-7500
  - www.vshsd.com

**Clinic News**

- **SAVING THE DATE**
  - April 18, 2013 – Educational Dinner Program
  - phone: (858) 875-7500
  - www.vshsd.com

**Non-Healing Corneal Ulcers**

- **In this issue**
  - Zosamide and Leviteracetam for Adjunctive Seizure Management – Part 2
  - Clinical Trials – Upcoming Events

**What’s New**

- **San Diego Veterinary Symposium**
  - phone: (858) 875-7500
  - www.vshsd.com

**WEBINAR**

- **Join us live to keep up with the latest Veterinary News and Information**
  - www.facebook.com/veterinarysymp