

VDOS Clinical Rounds/Journal Clubs (Oral Squamous Cell Carcinoma)

Publications discussed on October 29, 2021 and October 30, 2021

Historical

- Bostock DE. The prognosis in cats bearing squamous cell carcinoma. *Journal of Small Animal Practice* 1972; 13 (3): 119-125.

Prevalence

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- Choi JW, Yoon HY, Jeong SW. Clinical outcomes of surgically managed spontaneous tumors in 114 client-owned dogs. *Immune Network* 2016; 16: 116-125.
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- Mikiewicz M, Paździor-Czapula K, Gesek M, et al. Canine and feline oral cavity tumours and tumour-like lesions: a retrospective study of 486 cases (2015-2017). *Journal of Comparative Pathology* 2019; 172: 80-87.

Risk Factors

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Papillomavirus

- Teifke JP, Löhr CV, Shirasawa H. Detection of canine oral papillomavirus-DNA in canine oral squamous cell carcinomas and p53 overexpressing skin papillomas of the dog using the polymerase chain reaction and non-radioactive in situ hybridization. *Veterinary Microbiology* 1998; 60: 119-130.
- Zaugg N, Nespeca G, Hauser B, Ackermann M, Favrot C. Detection of novel papillomaviruses in canine mucosal, cutaneous and in situ squamous cell carcinomas. *Veterinary Dermatology* 2005; 16: 290-298.
- Munday JS, Howe L, French A, Squires RA, Sugiarto H. Detection of papillomaviral DNA sequences in a feline oral squamous cell carcinoma. *Research in Veterinary Science* 2009; 86: 359-361.
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- Munday JS, Dunowska M, Laurie RE, Hills S. Genomic characterisation of canine papillomavirus type 17, a possible rare cause of canine oral squamous cell carcinoma. *Veterinary Microbiology* 2016; 182: 135-140.
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- Munday JS, Sharp CR, Beatty JA. Novel viruses: Update on the significance of papillomavirus infections in cats. *Journal of Feline Medicine and Surgery* 2019; 21: 409-418.
- Chu S, Wylie TN, Wylie KM, et al. A virome sequencing approach to feline oral squamous cell carcinoma to evaluate viral causative factors. *Veterinary Microbiology* 2020; 240:108491. doi: 10.1016/j.vetmic.2019.108491.
- Altamura G, Cardeti G, Cersini A, et al. Detection of *Felis catus* papillomavirus type-2 DNA and viral gene expression suggest active infection in feline oral squamous cell carcinoma. *Veterinary Comparative Oncology* 2020; 18: 494-501.

Biomarkers

- Pestili de Almeida EM, Piché C, Sirois J, Doré M. Expression of cyclo-oxygenase-2 in naturally occurring squamous cell carcinomas in dogs. *Journal of Histochemistry and Cytochemistry* 2001; 49: 867-875.
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Blood/Serum Indicators

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Lingual/Tonsillar/Subtypes

- Brooks MB, Matus RE, Leifer CE, Alfieri AA, Patnaik AK. Chemotherapy versus chemotherapy plus radiotherapy in the treatment of tonsillar squamous cell carcinoma in the dog. *Journal of Veterinary Internal Medicine* 1988; 2: 206-211.
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Imaging/Biopsy/Staging/Metastasis

- Gendler A, Lewis JR, Reetz JA, Schwarz T. Computed tomographic features of oral squamous cell carcinoma in cats: 18 cases (2002-2008). *Journal of the American Veterinary Medical Association* 2010; 236: 319-325.
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Surgery

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Radiotherapy

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Chemotherapy

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Superficial/Intralesional

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Multimodal Therapy

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Reviews

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