

Clinical Management of Canine Oral Papillomatosis – A case Report

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Abstract: Canine oral papillomatosis is a self-limiting neoplastic disease caused by canine oral papillomavirus (COPV). Here we report a case of Oral papillomatosis in 6 month old male Rotweiler dog. The dog was administered with Homeopathic medicine of Mother tincture of Thuya 200 and found it cured completely.

Keywords: Papillomatosis, Rotweiler, homeopathic and Thuya

INTRODUCTION

Canine oral papillomatosis is a self-limiting neoplastic disease caused by canine oral papillomavirus (COPV). Papillomaviruses induce severe, nonregressing and recurrent infections in animal and human hosts [1]. Papillomas affect the oral mucous membranes and skin of young and older dogs, respectively [2]. It is characterised by a wart-like tuft of cauliflower-like tissues which when pigmented assumes a black colour[3]. The present paper reports homeopathic treatment of oral papillomatosis in 6 month old male Rotweiler dog.

CASE HISTORY

A 6 month old male Rotweiler dog was presented to the Dept. of Surgery & Radiology, College of Veterinary Science, and Tirupati with a history of growths in the mouth since one month. On clinical examination, oral papillomas were observed in buccal cavity, hard palate and lateral commissure of the mouth (Fig.1). However, the growths did not affect the appetite of the dog. These papillomas were varied in size from few millimetres to few centimetres. As the owner is not willing for surgical excision of growths, because of its younger age, we decided for homeopathic treatment regimen.



Fig. 1 Small oral papilloma on oral commissure – dog

TREATMENT AND DISCUSSION

The dog was administered with Mother tincture of Thuya 200 (Thuja Q.S.) at the dose rate of 2.0 ml diluted with 2.0 ml of distilled water subcutaneously weekly once for a period of 4 weeks. There was remarkable regression of growths on 14th day of treatment. Complete regression of papillomatous growth was noticed on 21st day of treatment (Fig.2). Dog was healthy and active with complete recovery.



Fig 2: Complete regression of papilloma after treatment

Immunity is an important factor that determines development of papillomatosis in dogs. Mostly disease is seen in young dogs which are yet to develop effective antibodies able to prevent the establishment and development of the virus [4]. Generally, clinical signs of canine oral papillomatosis appear 1 to 4 weeks after infection and disappear 6 to 12 weeks later [5, 6] reported that azithromycin was found to be effective in decreasing clinical lesions score in dogs with papillomatosis. Surgical treatments for warts were proposed but surgical intervention and vaccination may increase the size of residual warts and prolong the course of disease. Thuya is effective in combating lesions of HPV and can be administered orally or applied in the skin injured. There are few scientific studies that evaluate the benefits and

cytotoxic effects of tinctures sample from extract of this popular medicinal plant. Our findings are compatible with the some authors in the use of *Thuya occidentalis* to the papillomatosis treatment[7, 8].

CONCLUSION

Homeopathic treatment with *Thuya Mother Tincture* is very effective for canine oral papillomatosis.

REFERENCES

1. Nicholls PK, Stanley MA; Canine papillomavirus- A centenary review. *J. Comp. Pathol.* 1999; 120: 219-233.
2. Sundberg JP, Smith EK, Herron AJ, Jenson AB, Burk RD, Van Ranst M; Involvement of canine oral papillomavirus in generalized oral and cutaneous verrucosis in a Chinese Shar Pei dog. *Veterinary Pathology*, 1994; 31: 183–187.
3. DeBey BM, Baglidi-Swanson M, Kapil S, Frederick W Oehme; Digital papillomatosis in a confined Beagle. *Journal of Veterinary Diagnostic Investigation*, 2001; 13:346-348.
4. Nwoha RIO; A case report on natural regression of oral papillomatosis in a dog. *International Journal of Microbiology Research and Reviews*, 2013; 4 (1):127-129.
5. Calvert CA; Canine viral papillomatosis. In: Greene CE, eds. *Infectious Diseases of the Dog and Cat*. Philadelphia, WB Saunders, 1990; 288.
6. Yagci BB, Uralt K, Ocal N, Haydardedeoglu AE; Azithromycin therapy of papillomatosis in dogs: A prospective, randomized, double blinded, placebo-controlled clinical trial. *Veterinary Dermatology*, 2008; 194-198.
7. Marins RSQS, Travassos CEPF, Pereira SRFG, Pereira MAVC, Vieira LFP; Appraisal of efficiency of homeopathy and herbal therapy in the treatment of bovine cutaneous papillomatosis. *Brazil. J. Veter. Sci.* 2006; 13 (1): 10-12.
8. Veena P, Sankar P Suresh Kumar RV, Dhanalakshmi N, Sreelatha Ch, Kokila S; Homeopathic treatment for oral papillomatosis in a dog. *Indian Journal of Veterinary Surgery*, 2011; 32(1):75.