

ESVONC Annual Congress

Abstract Submission Form

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Submission deadline 31st January 2009 by email to mb673@cam.ac.uk

preferred publication: poster

Abstract Title: Athos the lucky Boxer with low grade adenocarcinoma in the nasal cavity - a case study.

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Objective: Electromagnetic hyperthermia (oncothermia, OT) is applied in human oncology for years. We present a case report, showing OT application in veterinary practice.

Material and Methods: Athos, an 11 year old male Boxer presented following a 5 month history of a left nasal discharge with intermittent episodes of epistaxis, to the Animal Medical Centre Referral Services (Manchester, UK). The dog underwent a detailed physical examination, complete blood testing, histopathological examination and contrast MRI diagnostic imaging. The diagnosis was a low grade adenocarcinoma arising from left nasal cavity. The malignant process was considered to be only local; no metastases were found in lymph nodes nor elsewhere within the body. Athos was generally in good condition, with no abnormalities on physical examination or blood tests. The referral vet advised local radiation therapy with palliative chemotherapy, and gave a prognosis of 8-25 months survival. Owners decided to treat the dog in Hungary. Tumor debulking surgery was performed two months after the diagnosis. Post-surgical local irradiation (Cobalt-60, 6x4 Gray) was given at Mo-We-Fri schedule starting 3 weeks after surgery. OT was done immediately before irradiations for 30 minutes, for improving the efficacy of gamma irradiations.

Results: Histopathological examination of the excised tissue confirmed the initial diagnosis (low grade adenocarcinoma). Contrast MRI control examination was carried-out, and the data showed no evidence of tumor tissue still present in the dog.

Conclusion: Athos, 7 months following diagnosis, seems to be symptom- and tumor-free except for an intermittent left nasal discharge with no epistaxis.

General Member

Please return **ABSTRACT** form by **31st January 2009** to:
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