

Clinical application of Oncothermia against the tumors developed in deep tissue in Veterinary medicine

Okamoto Y.¹, Andocs G.¹, Osaki T.¹, Tsuka T.¹, Imagawa T.¹, Minami S.¹

(1) Department of Veterinary Clinical Medicine, Faculty of Agriculture, Tottori University, Japan

Surgery, radiation, and chemotherapy are main tumor therapy in veterinary field as well as human medicine. However, there are some cases which we cannot inhibit recurrence and metastasis, or control good QOL. In particular, almost tumors developed in the deep tissues like abdomen and thorax are recognized as poor prognosis. We applied Oncothermia against 10 tumors which developed in abdomen and thorax. Treatment was performed 3 times per a week and 6 times in total. At pre- and post-treatment, CT examination was performed and measured the size of tumor. In 4 out of 10 cases, low dose chemotherapy was combined. As result, there was complete remission in 2 cases, partial remission in 2 cases, steady condition in 4 cases, and progression in 2 cases. In 4 cases with combination therapy, the tumor size was decreased in 2 cases and tumor disappeared in 2 cases. These results suggest that Oncothermia is effective to the tumors developed in deep tissue in veterinary field. In particular, it was found that combination of Oncothermia and low dose chemotherapy is more effective than Oncothermia alone.