



EXCITING NEW CANCER TREATMENT FOR DOGS-targeted chemotherapy

Request for canine brain tumor and relapsed lymphoma cases

Dr Veronika Langova , Small Animal Oncologist Specialist at The Veterinary Specialist Centre, North Ryde , Sydney is the Clinical Coordinator with an Australian bioscience company EnGeneIC (www.engageic.com).

EnGeneIC Pty Ltd, founded in 2001, is a privately owned Australian biotechnology company that is developing novel technology for the targeted delivery of chemotherapeutics for cancer.

Targeted chemotherapy (EDV technology) delivers anti-cancer drugs directly to the tumour cells without exposing other healthy (normal) cells to damage, reducing the risk of side effects seen in chemotherapy patients.

This revolutionary cancer treatment program using nanotechnology is having great success in prolonging the life of some terminally ill canine companions. At this stage 18 dogs with advanced stage cancer have been treated as part of the clinical study and positive results such as complete and partial remissions were seen. Although not every patient achieves complete remission, the important findings seen are **lack of side effects** of chemotherapy despite repeat dosing, **improvement of quality of life** and **clear evidence of decrease in cancer burden**. Some dogs have passed 200 days of stable disease before development of drug resistance. Treatment of drug resistant tumours via a combination of EDVs and gene therapy is the next step in our study. The aim of these clinical studies is to optimize this revolutionary treatment for use in humans.

EnGeneIC has a number of clinical studies under way and is currently enrolling patients with relapsed lymphoma and brain tumors.

For further information about enrolment in the studies **please contact:**

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Chifley is a 6 year old Labrador who presented with progressive neurological signs and was diagnosed with brainstem cancer. He is on EDV treatment and is currently without clinical neurological signs 190 days after being diagnosed with a brain mass.

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