

## Sarcoma Cancer Treatment using Extracted Cannabis Oil in Cat

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### Abstract

The 6 year old male local Thai cat weight about 3.5 kilograms. He has a purulent from his right eye. The method used as a significant treatment of extracted cannabis oil applied against inflammation to sarcoma cancer to observe the changes of sarcoma tumours, germination rate, etc. The extracted cannabis oil was applied only to cat mouth by dropping as normally applied to human. This objected to reduce pain and as well as to cure sarcoma cancer. First, local university veterinarian at animal hospital diagnosed to process surgery removing right eyeball and examined biopsy. Two weeks later, the biopsy results showed that he has sarcoma cancer in his right eye. A 4 centimeter diameter lump grew up in the right eye socket. The veterinarian at private clinic recommended using extracted marijuana to reduce pain. Giving extracted marijuana oil in mouth and spraying around the lump. He calmed down to relieve the pain at the first time use. Couple weeks later, sarcoma lump become smaller until fell out.

**Keywords:** Thai cat, Sarcoma cancer, Extracted cannabis oil

### Introduction

A Thai male cat aged around six to seven years, weighing 3.5 kilograms was examined. The cat was adopted by philanthropists. The philanthropist as a good caretaker provided all necessary vaccinations. Sarcoma cancer, in this case, had occurred at the right eye muscle of the cat. It had a Ping-Pong round ball shape, approximately a ping pong ball size. When it was touched, even gentle touch, the cat felt extremely pain, showing signs of wrestling and frustration. The extracted cannabis oil has been popular for curing cancer in human today. The Tetrahydrocannabinol (THC) and Cannabidiol (CBD) are two significant medical essences for medical treatment for human (Hasan et al., 2010). Those essences stimulate cannabinoid receptor type 1 (CB1) and type 2 (CB2) through G protein to express peripheral nervous and central nervous systems. The delta-9-THC activates CB1 receptor. Both CB1 and CB2 called endocannabinoid which involve body synthesize as pain, stress, appetite, energy, metabolism, cardiovascular function, motivation, reproduction, and sleep. The CB1 protein is

one of other protein to make a blueprint how to build and reside in DNA. In human body, applying extracted cannabis oil can cure cancer (Kittimunkong, 2019).

### Background and pathogenesis

Cats are more at risk of skin cancer from sunlight exposure. Infection with some viruses, including feline immunodeficiency virus may increase the chances of getting cancer. Cancer can occur in any part or system of cat's body. Its symptoms are very varied. Many of the symptoms are also common to a large range of diseases. A diagnosis of cancer cannot be made on symptoms alone. Other signs of tumours (benign or cancerous) affecting internal organs can include loss of appetite, weight loss, lethargy and weakness, difficulty in breathing, limping and recurrent digestive problems. A biopsy (taking a small sample for examination under a microscope) may help to identify the tumour and see if it is cancerous. Reaching a definite diagnosis can sometimes be difficult – for example, biopsies do not always contain enough good quality material for diagnosis.

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There are many types of tumours and treatment is available for some non-cancerous or some cancerous tumours. It depends on where the tumour is growing. Tumour at the beginning in some area, such as eye, cannot be easily removed in animals. A cancer may spread. The possibilities for treatment depend on how far it has spread. However, quality of animal life is important. If an animal is unrelievable pain, it is encouraged.

There are three basic types of tumour treatments as surgery, chemotherapy and radiotherapy. Surgery is often chosen for tumours of the skin or apparently internal growths. The tumour would be removed surgery if it does not spread. Sometimes with internal growths where the size of the tumour is causing illness, surgery can relieve the symptoms.

Animals processes cannabis oil faster than human body. Normally human would take 60 games of extracted cannabis oil for 90 days curing cancer. Hemp Medicine Planet (2016) recommended using 2 grams for 60 or 90 days since cancer in dog and cat would vanish within 2 weeks. Therefore, it is 1-2 grams for 2-3 months recommended dose (11-33 mg/day).

## Methodology

Clinical trial method was conducted in this paper. Thai male cat with sarcoma tumors was an experiment treatment research using extracted cannabis oil. This clinical trial is an individual clinical study. This research started with collecting only 1 individual patient as a pilot study.

Research question: What are the treatment results using extracted cannabis oil for sarcoma cancer patient?

Hypothesis: If the extracted cannabis oil actually has an effect against inflammation of sarcoma cancer, what is the significant treatment?

Research objective: An individual case was set as a preliminary study. If it has shown significant result, the other samples would be conducted in the further study.

Measurement results: To observe the changes of sarcoma tumours, germination rate, etc.

Research results: Research results are comparison treatments of extracted cannabis oil with regular practice medicines. If it works, the experiment will continue to be used in all areas. If it does not work, the physical symptoms will be summarized and the experimental results will be recorded.

Literature using cannabis for animal such as dog recommended applying a quarter gram (5.5-10 mg/kg) to a gram (4-22 mg/kg) of full spectrum cannabis oil per month. It would increase immune system and rejuvenate vital organ (Hemp Medicine Planet, 2016). In this experiment, the extracted cannabis oil contains 15-18% THC and 1-3% CBD with 0.35-0.37 mg/drop or 7-7.4 mg/cc produced for human was applied to Thai cat. For a 50-60 kilogram human, it was recommended to use a gram of extracted cannabis per day. This means 20 milligram per kilogram of patient approximately. For the 3.5 kilogram Thai cat, the approximated dose was 0.7 mg per day as 0.35 mg twice a day (morning and evening) 30 minute before meal. Cat symptoms a was observed as frustration, pain, amount of secretion, and tumour size.

## Results (Diagnosis and Treatment)

The street Thai cat started to develop cancer around early July 2019. His caretaker (philanthropist) noticed that his right eyeball has spilled out. He was taken to the State Animal Hospital on Phahonyothin Road, next to the state university for treatment. A veterinarian in state hospital recommended to process surgery cutting out the fleshed tissue and process an injecting treatment chemotherapy. On that day, hospital veterinarian performed surgery to remove the entire right eye ball and sew the wound. After surgery, veterinarian gave analgesics (gaba pentin) and disinfectants. During the operation, the specimen was examined in a biopsy laboratory. After four weeks, government hospitals have reported the examined biopsy laboratory; it is found that the cat has sarcoma cancer.

Seven days after government hospitals reported, the wound in the surgical area was removed and a lump came out. A sarcoma lump has grown steadily as large as a duck egg over a period of two weeks. The

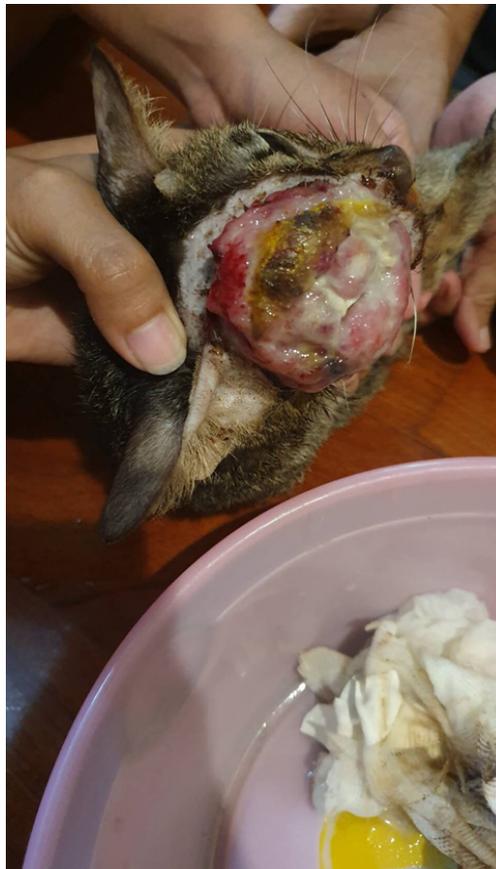
provided pain relieves and antibiotics medicines from government hospital are not able to alleviate the cat symptoms.

The philanthropist who owns this cat decided to bring cat to a private veterinary clinic on August 1, 2019. The clinic veterinarian examined symptoms and interviewed philanthropist. It is found that sarcoma cancer lump has rapidly developed after surgery. Luckily, cat still can eat by himself. Clinic veterinarian started treatment using extracted cannabis oil for humans. The extracted cannabis oil contains cold pressed coconut oil with concentration extracted cannabis of 0.35 milligrams per drop (Deutsch et al., 2008). The extracted cannabis oil was mixed with hemp oil half and half by volume. The 0.05 cc. (1 drop) extracted cannabis oil with hemp was taken by the 30 minutes before food, twice morning and evening. The extracted cannabis helps cat to be calm when touching the wound. In every visit, clinic veterinarian process usual wound cleaning with normal saline. Then, spray extracted cannabis oil diluted with normal saline in the ratio of 1: 5, twice a day in the morning and evening.

After using extracted cannabis oil with hemp oil for 10 days, veterinarian gave 0.05 cc. normal extracted cannabis oil (0.35 mg. per drop), 30 minutes before meals, twice in the morning and evening, together with an ointment mixed with extracted cannabis oil.

On September 10, 2019, the sarcoma lump has shrunk from 5 centimeters diameter to 1.5 centimeters and then fell out. The cat has lost his weight from original 3.5 kg to 2.6 kg. He began to slim down. Since he started sarcoma symptom, he was able to eat the same amount of food and his blood and sugar tests are normal. At the end of September, 2019, sarcoma tumour was fallen out. The cat can live normally.

Hemp Medicine Planet (2016) recommended 11-33 mg per day for dog and cat. For the 3.5 kilogram Thai cat, the approximated dose was 0.7 mg per day which means 0.2 mg per kilogram. This can illustrated that extracted cannabis oil can treat sarcoma cancer in cat.



**Figure 1.** First day treatment in private veterinarian clinic treating Sarcoma symptom.



Figure 2. Infection symptom in Sarcoma cancer.



Figure 3. Cleaning purulent from Sarcoma lump. Notes: cleaning sarcoma lump with normal saline



**Figure 4.** 3.6 centimeter diameter sarcoma lump at right eye after treatment.

### Conclusion and Discussion

The extracted cannabis oil had cured sarcoma cancer a case study cat. It was found that the cat had very bad pain from sarcoma cancer. After taken extracted cannabis oil, the large, round, about 4 cm in diameter sarcoma tumour was significantly smaller, until it finally dropped out. The extracted cannabis oil can reduce inflammation in the cancer area. The cat had calmed down and can live closed to its previous daily life. Cat can eat by itself as normal every day.

According to the result study, the extracted cannabis oil can quickly help to reduce symptoms of sarcoma cancer growth. The important substances in extract cannabis oil may various. Some of those sub-

stances affected cats' body and sarcoma cancer, so further research and cases must be further conducted in detail. Therefore, studying extracted cannabis oil in various mammals and human body is needed. In order to know the body's processes for using non-active extracts or the stimulation of those extracts to enable the body to utilize immunity for each type of illness, step by step research as well as significant number of cases may be conducted. Then, the extracted cannabis oil can turn into appropriate use for various symptoms.

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