

## Alopecia Areata Treatment with Extracted Cannabis Oil: Case Study 52-year-old Asian Male.

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### Abstract

Alopecia areata is a disease caused by many factors such as stress, infection, leukopenia, destroying the hair follicles etc. In the case of male patients aged 52 years, there are three areas of hair loss on the head. Using medicine had no results. Therefore, using extracted cannabis oil applied to the hair loss area, hair gradually stops falling and regenerates within 5 months.

**Keywords:** Alopecia Areata, Extracted Cannabis Oil

### Background and pathogenesis

Alopecia areata is a disease caused by many factors such as vitiligo, asthma, allergies, atopic dermatitis, immune disorders, autoimmune disease, stress, white blood cell infection, hair root damage etc. There is currently no medical evidence to cure this type of hair loss. Some research studies indicate that these symptoms may be spontaneously occurred. It would be cured naturally when body is stronger. Drug research studies indicate that anti-inflammatory drugs should be used to alleviate hair loss or use the group corticosteroids drugs. Some research studies indicate that alopecia areata may be a side effect of stress. Some hair experts conclude that the cause of hair loss due to the weakness of the hair according to age, which can occur both in females and males. Furthermore, Hair loss may be caused by allergies to certain types of drugs. Alopecia areata does not yet have any studies indicating that the occurrence of cancer cells in the body.

The duration of hair loss treatment is diverse. Some research groups provide guidelines that if the hair loss does not exceed 80 percent of the scalp, treating or encouraging the hair to return to its original state is still possible. But it cannot specify the duration on scalp area or the hair loss area. If hair root is damaged, it causes the skin to be smooth and oily. Then, to stimulating the hair to grow again will have very little chance. Patient would feel burns, itching, or pain as hair loss symptoms or in the areas of hair loss. To reduce the spread of the hair loss area, some medical doctors prefer to use anti-inflammatory injections under the skin around the hair loss for hair loss treatment.

### Diagnosis and staging

The asian-male-52-years-old patient started to have hair loss on April 10th, 2019. The area of hair loss rapidly disappeared in 3 wide areas within 3 days; about 4 cm., 3.5 cm., and 3 cm. in diameter respectively. Dermatologists

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examined patient history of allergy, medication, allergies, stress, and other factors. The patient informed that it may be caused by pigeon dropping manure on his head in the alopecia areata area during February 2019. After dropped for approximately 6 hours from 10:00 am until about 5:00 pm that day, he had chance to shampoo his hair. Dermatologists diagnosed that pigeon dropping would have "cryptococcus" mold and "clamedia" bacteria which may be caused of hair loss in that area. Patient has a healthy body, normal blood test results, normal BMI with 167 cm. height and 55 kg. weight. He has normal daily life and work without stress. The cause of alopecia areata is still unclear. Dermatologists had decided to start treatment as normal practice. Then, specific treatment would be adjusted after observing the symptoms.

### **Treatment**

Dermatologists diagnosed that patients has alopecia areata. Desoximetasone cream 0.25% was provided and applied on areas of hair loss in the morning and evening daily. Two weeks later, Dermatologists examined symptoms after using 0.25% Desoximetasone cream. It was concluded that it still did not work. Dermatolo-

gists had decided to use Minoxidil 5% w / v and Triamcinolone acetonide 0.1% w / v, applying morning and evening daily. Patient took those medicines as recommended by dermatologists but the symptoms have not improved. Therefore, patient had consulted dermatologist to use extracted cannabis oil of 0.35 milligrams per drop morning and evening for treatment. It was concluded that extracted cannabis oil would apply on 4 cm. area while the other 2 areas were using those 2 kinds of medicine cream. After 4 weeks, it was found that applying extracted cannabis oil generated hair grow faster than medicine cream. Dermatologists decided to let patient using extracted cannabis oil on all alopecia areata areas. Patient applied extracted cannabis oil regularly until the hair grows significantly in the alopecia areata area. Extracted cannabis oil has unique properties that help to reduce the inflammation of the body in the area of use. Therefore, it might stop the inflammation of skin. Some extracted cannabis oil might help to stimulate important substances in body that allow the body to produce cells normally. This experimental study still requires the use of tools and samples in accordance with medical procedures.



**Figure 1** The first alopecia areata occurred, fast hair falling within 2-3 days (April 13th, 2019.)

**Notes:** The area of hair loss rapidly disappeared in 3 wide areas within 3 days; about 4 cm., 3.5 cm., and 3 cm. in diameter respectively

**Abbreviation:** alopecia areata



**Figure 2** After applying extracted cannabis oil to the hair falling area of 4 cm, the hair grew faster more than the other 2 areas using minoxidil 5% w/v and triamcinolone acetate 0.1%w/v (June 7th, 2019).

**Notes:** The other 2 areas using minoxidil 5% w/v and triamcinolone acetate 0.1%w/v remained the same. The hair still stopped falling.

**Abbreviation:** alopecia, extracted cannabis oil



**Figure 3** After applying extracted cannabis oil to 4 centimeters alopecia areata area, hair had grown faster than the others (June 21st, 2019).

**Notes:** The patient and dermatologists concluded that continuing to apply extracted cannabis oil to the remaining 2 hair loss areas.

**Abbreviation:** alopecia, extracted cannabis oil



**Figure 4** After using extracted cannabis oil to apply to all areas of hair loss, it was found that the hair grows quickly with a high density almost covering the alopecia areata area (July 18th, 2019.)

**Notes:** Patient has no head itching.

**Abbreviation:** alopecia, extracted cannabis oil



**Figure 5** Hair grows and grows longer almost full area, after using extracted cannabis oil (September 18th, 2019.)

**Notes:** Dermatologists and patient concluded that the use of extracted cannabis oil for another 2-3 months to make the hair completely full as previous. Then, stop using.

**Abbreviation:** alopecia, extracted cannabis oil

#### Extracted cannabis oil diagnose guidelines

There are many research studies on anti-inflammatory and Extracted cannabis oil diagnose guideline treatments. Extracted cannabis oil stimulates human body to heal itself through the endocannabinoid system, both the cannabinoid 1 (CB1) and cannabinoid 2 (CB2) receptors. The stimulation of the active ingredient system in each person's body would not have the same amount of extracted cannabinoid dosage, depending on individual organ work processes such as liver function, nerve signal reception, lymphatic system, etc. Besides individual organ system, the use of extracted cannabis oil also depends on body health condition at that time. Our past experiences shown that Authentic twins use different amounts of extracted cannabis oil. Even the same person, he still use more or less amount according to physically healthy condition. Extracted cannabis oil contains hundreds of important substances. It needs to conduct

further medical research. Therefore, the experience of using extracted cannabis oil with alopecia areata in this article is to be recorded for future medical research. This case study used extracted cannabis oil with 0.35 milligrams per drop or 7 milligrams per cubic centimeter (cc) concentration.

#### Disclosure

Dr. Vorasun Buranakarn has been senior researcher in Chulalongkorn University. In 2018, He has been actively involved in cannabis clinical trials evaluating the practice safety and efficacy of extracted cannabis medicine products as observation of licensed medical doctors. The author reports no other conflicts of interest in this work.

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