

## 세포교정영양요법(OCNT)을 이용한 탈모 개선 사례

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### A Case of improvement of hair loss using Ortho-Cellular Nutrition Therapy (OCNT)

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#### ABSTRACT

**Objective:** Report of a case of improvement of hair loss through the use of OCNT.

**Methods:** A 60-year old Korean male has been suffering from hair loss.

**Results:** Hair loss was markedly improved following implementation of OCNT.

**Conclusion:** Application of OCNT to hair loss can be helpful in alleviation of the symptoms.

**Keywords** Ortho-Cellular Nutrition Therapy (OCNT), hair loss, male hair loss

#### Introduction

Male hair loss is the most common cause of baldness and is related to the binding of androgens, particularly dihydrotestosterone, to androgen receptors on the dermal papilla of sensitive hair follicles. Androgen stimulation of scalp dermal papilla cells induces transforming growth factor beta (TFG-B), which causes hair to grow shorter and thinner.<sup>1</sup>

Such male hair loss affects up to 50% of men worldwide and is known to cause significant distress. The more severe the hair loss, the higher the average QoL score of patients, signifying that they report greater distress.<sup>2</sup>

Medical treatments approved by the Food and Drug Administration (FDA) of the USA for male hair loss include topical Minoxidil 5% and the oral type II 5- $\alpha$ -reductase inhibitor Finasteride (1mg/day) for men. Surgical treatments include hair transplantation, which can be performed for people with forehead and midface hair loss.<sup>3</sup>

Long-term side effects of 5- $\alpha$ -reductase inhibitors on sexual function, including erectile dysfunction and decreased libido, have been reported in some men.<sup>4</sup> Although hair transplantation surgery has a very low rate of complications, folliculitis, post-transplant facial edema, and graft dislodgement have been reported in some patients.<sup>5</sup>

This case report is made with the consent of the patient as there was visibly significant improvement in hair loss after the implementation of OCNT.

#### Case

##### 1. Subject

1 case of hair loss was selected as the subject for this study.

- 1) Name: Baek, O O (M/68 years old)
- 2) Name of diagnosis: hair loss
- 3) Manifestation date: 2010
- 4) Treatment period: November 2013 ~ Present
- 5) Main symptoms: hair loss on the crown
- 6) Past medical history: None
- 7) Past social history: None
- 8) Past family history: None
- 9) Current medical condition and medicine administered: None

##### 2. Method

Morangmorang Booster (202, 2 times a day, 2 tablets at a time)  
Sawpalplex (002, once a day, 2 tablets at a time)  
Cyaplex Scalp Revitalizing Shampoo  
Cyaplex Scalp Care Tonic (apply on scalp after shampooing)

#### Results

He was losing hair in a large circle centered on his crown and the hair that remained was weak, thin and sparse. However, after the implementation of OCNT, the hair started to grow thick and black, except for the part of the crown.

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**Fig.1.** (A) Before OCNT (November '23) (B), (C) 1 month after OCNT (early December '23, end of December '23) (D) 2 months after OCNT (January '24, '24) (E), (F) 3 months after OCNT (February 3, '24, February 15, '24)

### Considerations

The subject of this case was a male in his late 60s who was taking hair loss medication prescribed for him. However, since his health did not improve while taking the hair loss medication, he stopped taking it, which resulted in his hair falling out again and returning to the state it was in before he started taking medication for the hair loss. He decided to try OCNT thereafter.

It can be discerned that MSM contained in Morangmorang Booster Capsules achieved significant improvements in hair volume and luster in the ground that took MSM in a 16-week double-blind study.<sup>6</sup> In addition, it is used as a source of supply of sulfur in the body and can be taken consistently for improved hair strength and better health to reduce hair loss and improve hair diameter and thickness.<sup>7,8</sup>

Since deficiencies in riboflavin (B2), biotin (B7), folic acid (B9) and cobalamin (B12) can also cause hair loss, these nutrients were supplemented with the B vitamins contained in Morangmorang Booster Capsules.<sup>9</sup>

Zinc is one of several transcription factors that regulate hair growth and is required for the activity of enzymes that play an essential role in hair growth. As such, its deficiency can lead to hair loss. For this reason, zinc was supplemented with Morangmorang Booster Capsules to help stop hair loss and induce growth of new and healthy hair.<sup>10</sup>

Cysteine is an amino acid necessary for the synthesis of keratin, which is a main compositional element of hair, and imparts affirmative effects on hair growth. As such, it was supplemented with Morangmorang Booster Capsules.<sup>11</sup>

MSM contained in Cyaplex Scalp Revitalizing Shampoo and Cyaplex Scalp Care Tonic is effective not only when applied directly to the scalp but also taken orally, as are other nutritional ingredients.<sup>12</sup> Menthol, salicylic acid and dexpanthenol in the corresponding Shampoo and Tonic appear to work on the scalp to alleviate the hair loss symptoms.<sup>13,14</sup>

Although this case report is anecdotal and may not be universally applicable to all patients with hair loss, it is reported with the consent of the patient because of the significant improvement after the implementation of OCNT.

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