



Non-Injectible Treatment Option for Androgenetic Alopecia

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Introduction:

Hair loss is a quite common condition observed in both men and women. Pattern hair loss also known as androgenetic alopecia, is the most common form of hair loss. Although androgenetic alopecia does not significantly affect physical health, it can have a negative impact on the mental health and quality of life of the patient.

To date there have only been two FDA approved medications, minoxidil and finasteride, but their effects are often unsatisfactory.

In addition to the conventional medical therapy, the Fotona Erbium:YAG SMOOTH mode laser is a new therapeutic option in regenerative medicine, which has shown potential for hair regrowth and follicle repair in a minimally invasive way.

Laser	Fotona Spectro
Wavelength	2940nm
Handpiece	PS03
Fluence	7.75 J/ cm ²
Mode	SMOOTH
Frequency	3.3Hz
Passes	3-4
Spot size	7mm



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CLINICAL CASE:

A 47-year old gentleman, with a background of uncontrolled diabetes mellitus defaulted treatment, came to the clinic with the concern of hair thinning, which started since his mid-30's. There is a strong history of hair loss running in the family.

In view of his uncontrolled diabetes mellitus, injectable treatment was not being considered. The Fotona Erbium:YAG SMOOTH mode laser was proposed, in addition to topical minoxidil 5% twice a day and oral finasteride 1 mg daily. With the following specifications: wavelength 2940nm, using handpiece PSO3, spot size 7mm, fluence 7.75 J/cm², SMOOTH mode, frequency 3.3Hz, 3-4 passes.

Six sessions with parameters shown above were performed. The first 4 sessions were performed with a 2-week interval, while the last 2 sessions were performed with a 4-week interval.

The photos were taken before the procedure and 3 weeks after the 6th session.



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