

## Application

- √ Non-Scaring Alopecia Patients.
- ✓ Man & Woman who have a general thinning hair.
- √ Hair transplant recipients who want to increase survival rate.
- √ Alopecia patients who want to have Synergic effect combining with other application for anti-hair loss / hair re-growth.

# Advantage

- 1. Patented and exclusive peptide complex for hair regrowth and health.
- 2. Sustained Release technology to maximize the efficacy of 7 hair growth peptides.
- 3. Applicable and effective to any type of non-scaring Alopecia.
- 4. Clinically proven.

# Direction for use

## PROTOCOL:

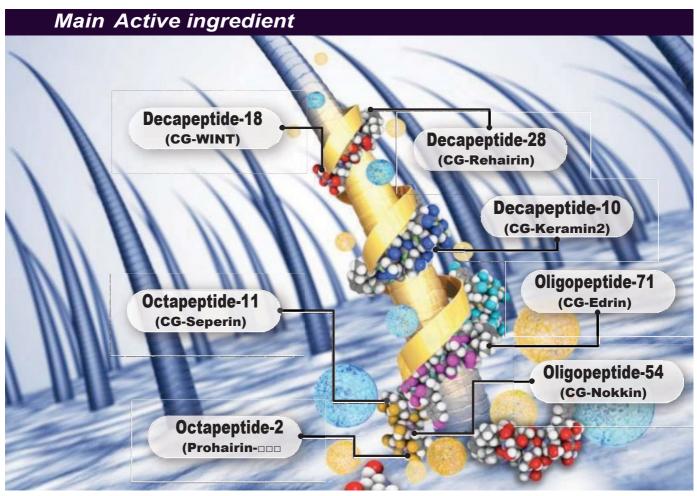
- 1) Disinfect the area to be treated
- 2) Inject DR.CYJ Hair Filler on the target area with a 32G30 multi-needle (5 needles of 3mm).

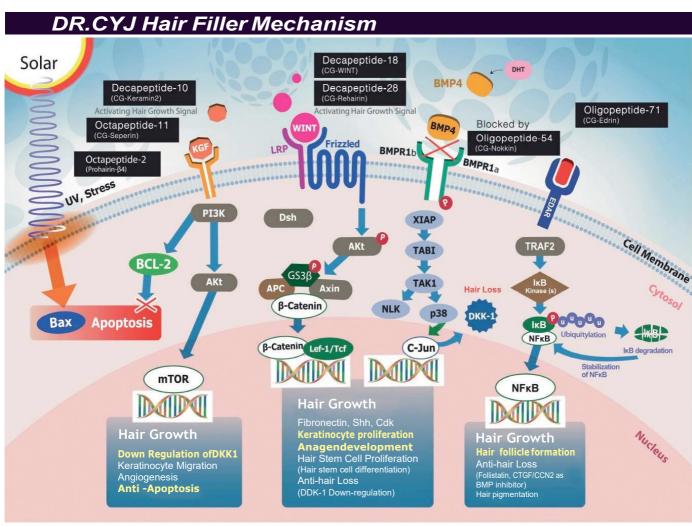
Standard treatment: 4 sessions spaced 2 weeks apart Consolidation treatment: 3 sessions spaced 1 month apart

Post-treatment (optional home treatment): Apply HR3 Matrix tonic daily.

It is recommended to complete the treatment to add 10-20min of LED to each session.





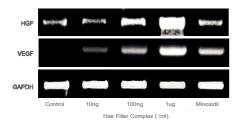


## In-vitro Test Data

#### 1. Expression of Hair Growth Related Genes

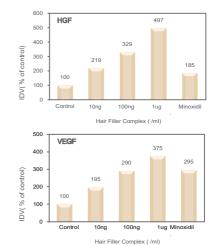
Cell: HHFDPcell p8 (Human Hair Follicle Dermal Papilla Cells) Culture time: 24 hrs / Method: RT-PCR analysis

Positive Control: Minoxidil 1ug/ml



Expression of growth factors related to growth of hair follicle by Hair Filler Complex on Human Hair Follicle Dermal Papilla Cell

We observed HGF and VEGF expression a reregulated by treatment with Hair Filler Complex. Hair Filler Complex promotes hair growth through stimulatory effect on HGF and VEGF gene expression in HHFDPC

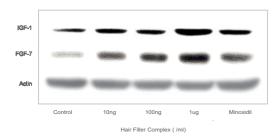


## 2. Expression of Hair Growth Related Proteins

Cell: HHFDP cell p8 (Human Hair Follicle Dermal Papilla Cells)

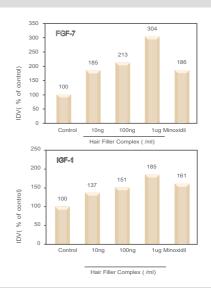
Culture time: 24 hrs

Method: Western blot analysis Positive Control: Minoxidil 1ug/ml



Expression of growth factors related to growth of hair follicle by Hair Filler Complex on Human Hair Follicle Dermal Papilla Cell

Hair Filler Complex promotes hair growth through stimulatory effect on IGF-1 and FGF-7 protein expression in HHFDPC.

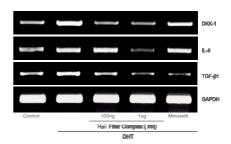


### 3. Inhibition of DHT-induced Hair Loss Related Gene Expression

Cell: HHFDP cell p8 (Human Hair Follicle Dermal Papilla Cells)

Culture time: 24 hrs Method: RT-PCR analysis Positive Control: Minoxidil 1ug/ml Stimulator: DHT 5ug/ml

Inhibition of hair loss related gene expression DHT-induced expressions of hairloss-related genes, DKK-1, IL-6 and TGF-β1 were reduced by Hair Filler Complex treatment.



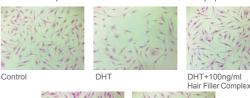
#### 4. Inhibition of DHT-induced Cell Apoptosis

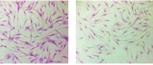
Cell: HHFDP cell p6 (Human Hair Follicle Dermal Papilla Cells) Culture time: 3 days Method: SRB staining

Positive Control: Minoxidil 1ug/ml Stimulator: DHT 5ug/ml

120 Relative rate (% of control) 100 80 60 40 10ng 100ng 1ug Minoxidi Hair Filler Complex ( /ml)

Cellgrowth assay after treatment of Hair Filler Complex on Human Hair Follicle Dermal Papilla Cell Hair Filler Complex inhibits DHT-induced hair cell apoptosis

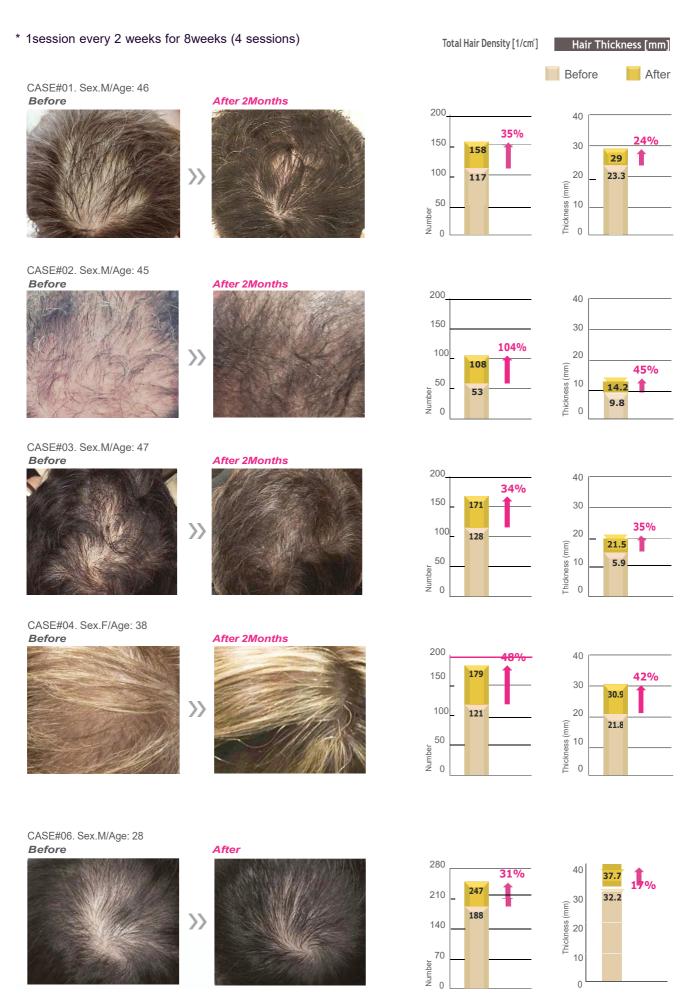




DHT+1ug/ml Hair Filler Complex

DHT+Minoxidil

# Human Clinical Study Before vs After







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