

## First autologous human stem cells and hair restoration

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Involving using of human stem cells in Androgenetic Alopecia (AGA) holds a great promise. There are numerous sources of autologous human stem cells being used for the treatment for AGA. A recent new discovery source of autologous human stem cells is harvested from human hair follicles. Hair follicles are known to contain a well-characterized niche for adult stem cells: Mesenchymal stem cells in the dermal sheath and the bulge, which contains epithelial and melanocytic stem cells. Stem cells in the hair bulge, a clearly demarcated structure within the lower permanent portion of hair follicles, can generate the interfollicular epidermis, hair follicle structures and sebaceous glands. A new method to isolate human adult stem cells is by mechanical centrifugation of punch biopsy from human hair follicles without culture condition. Area of punch biopsy at the mastoid process along the hair line demarcation bilaterally. Human Follicle Stem Cells (HFSCs) is used to improve the hair density in patients affected by Androgenetic Alopecia in stage 2-5 as determined by the Norwood-Hamilton classification scale and few cases of alopecia areata. It has shown that the isolated cells are capable to improve the hair density in patients affected by androgenetic alopecia and in some cases of alopecia areata.

### Biography

Kelvin Tan Chee Ling has obtained his Medical Degree (MBBS) from Kasturba Medical College in 2007. He is specialized in hair restoration and hair line reconstruction. Then he pursued further in Fellowship and Board Certification of Anti-Aging & Regenerative Medicine in USA and other Aesthetic Medicine Qualifications in USA & South Korea. He is currently the Founder and Medical Director of Elegant Clinic Malaysia and he has been practicing medicine since 2008. He is the PRP (Regen Lab) Key Leader Opinion (KOLs) and Certified Trainer in Asia Pacific (Regen Lab) in hair loss treatment and skin rejuvenation. He is also the KOL and Trainer for Neauvia biostimulate fillers. He is also the Future Leader for Juvederm, Allergan Medical Institute (AMI).

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