

毛髪再生 レポート①

脂肪由来幹細胞を 局所投与して毛根 再生させた症例

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Impact of adipose-derived
stem cells on engineering
hair follicle germ-like tissue
grafts for hair regenerative
medicine
: Journal of Bioscience and
Bioengineering VOL. 131
No. 6, 679e685, 2021

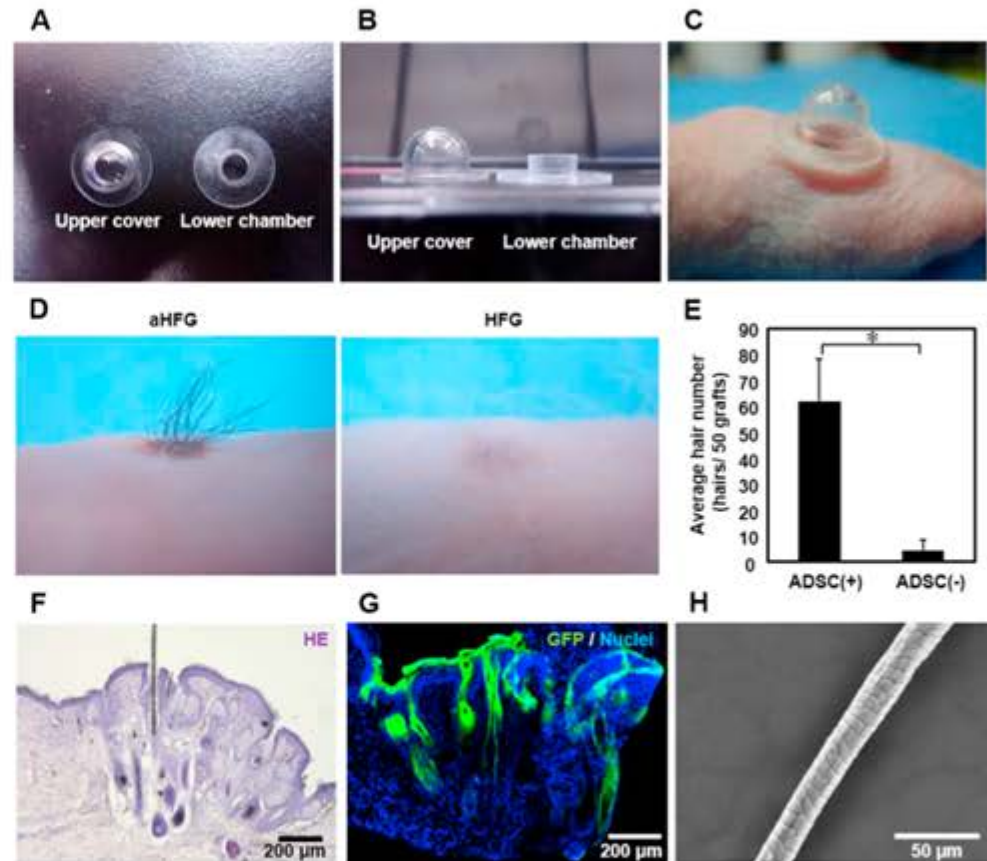


FIG. 5. Hair-chamber assay with aHFGs (A–C) Fabricated silicone chambers. Top (A) and side (B) views of the silicone chambers. The chambers were implanted into murine back skin (C). (D) Hair shafts generated 4 weeks after transplantation of 50 aHFGs and 50 HFGs. (E) Quantification of generated hair shafts. Data represents the mean and error bars represent the standard error of the mean of five experiments for each condition. Groups were compared using Student's *t*-test. **p* < 0.05 was considered significant. (F) HE staining of cross-sections of *de novo* generated hair follicles 4 weeks after the transplantation of aHFGs. (G) Generated hair follicles by transplantation of aHFGs containing GFP-murine epithelial cells. Blue, nuclei; green, GFP. (H) Scanning electron microscopic images of generated hair shafts. (For interpretation of the references to color in this figure legend, the reader is referred to the Web version of this article.)