

第27回

日本臨床毛髪学会学術集会

The 27th Annual Meeting of Japan Society of Clinical Hair Restoration



スポンサーセミナー

エクソソームによる薄毛治療アップデート

日時：2022年11月13日(日) 11:00~12:00

開場：ベルサール九段 ROOM4

〒102-0073 東京都千代田区九段北1-8-10住友不動産九段ビル3・4F

座長：別府ガーデンヒルクリニック くらた医院

院長 倉田 荘太郎 先生



SPEAKER 1 (同時通訳あり・ビデオセッション)

Breaking the Borders of the Unknown: New Indications of ASC-Exosomes for Alopecia

Dr. Inigo de Felipe

Assistant Professor, University of Navarra: International University of La Rioja
Director, Clínica Dermatológica De Felipe Barcelona, London, Madrid



[抄録] Mesenchymal stem cells (MSC) grow exosomes full of bioactive factors and small fragments of nucleic acids with a wide arrange of effects. Some of these substances include micro-RNA known to have anti-inflammatory properties. [Objectives] To explore new applications of MSC exosomes in inflammatory and immune conditions of the skin. [Patients and methods] We have used MSC exosomes in inflammatory and immune diseases on 36 patients with conditions such as Atopic Dermatitis, Frontal fibrosing alopecia, Acne Rosacea and Alopecia Areata. MSC Exosomes were injected intradermally, applied topically or applied on skin treated previously with microneedling or Er:YAG fractional session. [Results] We show herein the results obtained in these skin conditions and discuss the probable mechanism of action. [Conclusion] Promising results can be obtained with MSC exosomes. MSC exosomes are very safe.

SPEAKER 2 (同時通訳あり)

ASC Exosome Clinical Study on Hair Rejuvenation for Androgenic Alopecia

Dr. Byung-cheol Park

Professor, Department of Dermatology, Dankook University Hospital, Korea



[抄録] Extracellular vesicles(EV) commonly called exosomes could be get from various cells and they have a role in the cell-cell communication. Nowadays, their specific use for hair loss, pain control, wound healing have been investigated. In this session, we want to talk about the in vitro and in vivo research of exosome for hair loss. In in vitro and in vivo animal study, EV from human fibroblast, dermal papilla cells, macrophage and mesenchymal stem cell could promote the dermal papilla cell proliferation, migration and stimulate hair growth and increase dermal thickness in C57BL/6 mice. Although the in vitro and in vivo animal study support the use of exome in the hair growth, there has been only one clinical pilot study about the exome and hair growth until now. Our research group start to investigate the effect of exome in hair cells (DP cell, ORS cell), hair organ itself and androgenetic alopecia patients. We are going to show our data in this session.

共催



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