

〈シンポジウム I〉

『皮膚の機能を知る～皮膚科学研究の最新情報～』

皮脂腺に関する最新知見

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Latest Update on Sebaceous Gland

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Abstract

By recent development of stem cell research, it is speculated that stem cells or progenitor cells may exist in sebaceous glands, and thus sebum secretion is constantly controlled. Taken together with the recent studies, sebaceous glands may be derived from stem cells in the bulge area. The stem cells migrate to the boundary between hair follicles and sebaceous glands to differentiate into progenitor cells and localize. Then, the progenitor cells may migrate to sebaceous gland tissues as necessary, followed by proliferation and differentiation. At the same time, the cells may synthesize lipid and finally rupture, providing the epidermis with sebum. If further researches can identify the mechanism underlying the turnover of sebaceous glands, it will someday enable us to control sebaceous gland activity.

Key words: sebaceous gland, stem cell.