

〈シンポジウム〉「基剤と添加物の役割」

# ゲル基剤について

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## Gel Base

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### Abstract

Hydrogel base has good appearance and gives refreshed feeling when applied, and furthermore the drug contained in the base penetrates into the skin well.

From the outstanding features mentioned above, the base is now mainly used for anti-pruritic ointment as well as anti-inflammatory-analgesic ointment.

In particular, the gel ointment of indomethacin has been highly valued in the field of orthopaedic surgery as results of double-blind clinical trials, and since then the percutaneous absorption of the drug contained in the gel base has attracted keen attention.

In this paper, several reports on this particular theme are shown, and it is proposed the mechanism of percutaneous absorption from the gel base.

Since the optimization of drug delivery is the recent study trend in the pharmaceuticals, the gel base will be interested not only as a means of percutaneous application but also as a new study theme relating to drug delivery systems.