

Cosmetic & Pharmaceutical Research > Cosmetic & Pharmaceutical Research > Other material

5

Analysis of the skin surface and inner structure around pores on the face.

Mizukoshi K, Takahashi K.; *Skin Res Technol.* 2013 Jun 10. doi: 10.1111/srt.12078.

ABSTRACT

BACKGROUND/PURPOSE: Facial pores do not appear to close again in old skin. Therefore, the tissue structure around the pore has been speculated to keep the pore open. To elucidate the reason for pore enlargement, we examined the relationship between the skin surface and inner skin structural characteristics in the same regions especially around the pore. **METHODS:** Samples of the skin surface were obtained from the cheek and examined using a laser image processor to obtain three-dimensional (3D) data. The inner structure of the skin was analyzed using in vivo confocal laser scanning microscopy (CLSM). **RESULTS:** The conspicuous pore not only had a concave structure but also a discontinuous convex structure on the skin surface surrounding the pore. Furthermore, CLSM image indicated that the skin inner structure developed a discontinuous dermal papilla structure and isotropic dermal fiber structure. **CONCLUSION:** There were structural changes in the skin surface around conspicuous pores, including not only a concave structure but also a convex structure with skin inner structure changing.