

研究業績 英文表記

和文	
表題	ジチオトレイトール分離法の表皮および上皮基底膜研究への貢献
著者名	大澤得二、Xin-Yan FENG、Jung-Chou LIANG、都筑文男、野坂洋一郎
所属	岩手医科大学歯学部口腔解剖学第一講座
英文	
Title	The contribution of dithiothreitol separation to the morphological studies of the epidermal and the epithelial basement membranes.
Author	Tokuji OSAWA、Xin-Yan FENG, Jung-Chou LIANG, Fumio TSUZUKU and Yohichiro NOZKA
Affiliation	Department of Oral Anatomy, Iwate Medical University School of Dentistry
Abstract	There are several methods of epidermal-dermal separation. In many cases the separation occurs at the lamina lucida, and the cellular surface of the lamina densa is exposed. The dithiothreitol separation is the only method to induce epidermal-dermal separation below the lamina densa, resulting in the exposure of the interstitial surface of the lamina densa. After this separation, the morphology of the anchoring fibrils is clearly observed, and immunohistochemical and the lectin histochemical studies are possible on the interstitial surface, using colloidal gold- or ferritin-conjugated antibodies or lectins. SEM observations on the interstitial surface of the lamina densa and the upper surface of the lamina fibroreticularis were three-dimensionally observed. Colloidal gold particles, which were difficult to identify in the secondary electron images, were observed due to their stark contrast against the background in the backscattered electron images. The distribution of the colloidal gold-conjugated antibody was three-dimensionally observed by backscattered electron imaging.
keyword	immunohistochemistry, lectin histochemistry, backscattered electron imaging, lamina densa, lamina fibroreticularis, anchoring fibril

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