

研究業績 英文表記

和文	
表題	オスmium・コーティング法による表皮基底膜の走査電子顕微鏡観察
著者名	大澤得二、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	Scanning electron microscopic observation of the epidermal basement membrane with osmium conductive metal coating.
Author	Tokuji OSAWA and Yohichiro NOZAKA
Affiliation	Department of Oral Anatomy, Iwate Medical University School of Dentistry
Abstract	Osmium conductive metal coating was performed for the scanning electron microscopic observation of the epidermal basement membrane. An extremely thin osmium coating induced the equivalent electrical conductivity as that of a thick platinum coating. As a result, by this coating, the resolution was only nominally reduced. The meshwork structure of the lamina densa and the three-dimensional morphology of the anchoring fibrils were observed in detail. Scanning electron microscopic observation of the osmium-coated specimen coincided with that of the transmission electron microscopic observations. It was evident that the osmium conductive metal coating is much more advantageous than the other coatings for obtaining high resolution images on the observations of the fine structures, such as the epidermal basement membrane.
keyword	basement membrane, dithionite, SEM, osmium conductive metal coating, anchoring fibril

※本データの英文表記は実際の論文上の表記とは異なります。