

研究業績 英文表記

和文	
表題	マイクロウェーブ照射固定によるマウス表皮基底膜、特に半接着斑に注目して
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英文	
Title	Mouse epidermal basement membrane fixed by Microwave irradiation, with special reference to half desmosomes.
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Abstract	<p>We observed mouse epidermal basement membrane by electron microscopy, introducing microwave fixation in comparison with ordinary immersion fixation. In microwave fixed specimens, the electron density of the cytoplasm at half desmosomes was high, and subbasal dense plates were thick, resulting in the conspicuous appearance of half desmosomes. The remarkable rise in electron density in basal lamina was also seen in young (0-2 day old) animals, especially at half desmosomes. These observations suggest that microwave fixation successfully preserves the fine structures and materials at half desmosomes and in lamina lucida during the process of electron microscopy. The fact that the basal laminae are thick at half desmosomes shows that the accumulation of amorphous substance in basal laminae begins at half desmosomes in young animals.</p>
keyword	Basement membrane, microwave fixation, half desmosome, epidermis

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