

## 研究業績 英文表記

和文	
表題	ニワトリ表皮基底膜の発生中の変化、特に透明層中の顆粒層に注目して
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英文	
Title	Maturation of chick epidermal basement membrane during development、 with special reference to the granular layer in lamina lucida.
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Abstract	<p>The development of the chick epidermal basement membrane was studied by electron microscopy. The epidermis consisted of two cell layers, and basal cells had thin basement membrane in the three to five days embryos. Epidermal cells gradually multiplied and the basement membrane thickened during development. Dark granules were found in the lamina lucida of epidermal basement membrane in the late stage embryos and young chicks just after or one to two days after hatching. These granules had a rod-like shape, 9 nm in diameter and 20 nm in length, and lining parallel to the basal lamina and the cell surface. The distance between granules was almost uniform (60–80 nm). Alcian Blue staining of 18 day embryos made the distribution of amorphous substance which connected granules in the lamina lucida clear, showing latticework. A new concept of the fine structure of the lamina lucida was proposed in the present study, mentioning the granular layer and the latticework in the lamina lucida.</p>
keyword	basement membrane, lamina lucida, development. chick, epidermis

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