



# HOKKAIDO UNIVERSITY

Title	Noninvasive and persistent transfollicular drug delivery system using a combination of liposomes and iontophoresis
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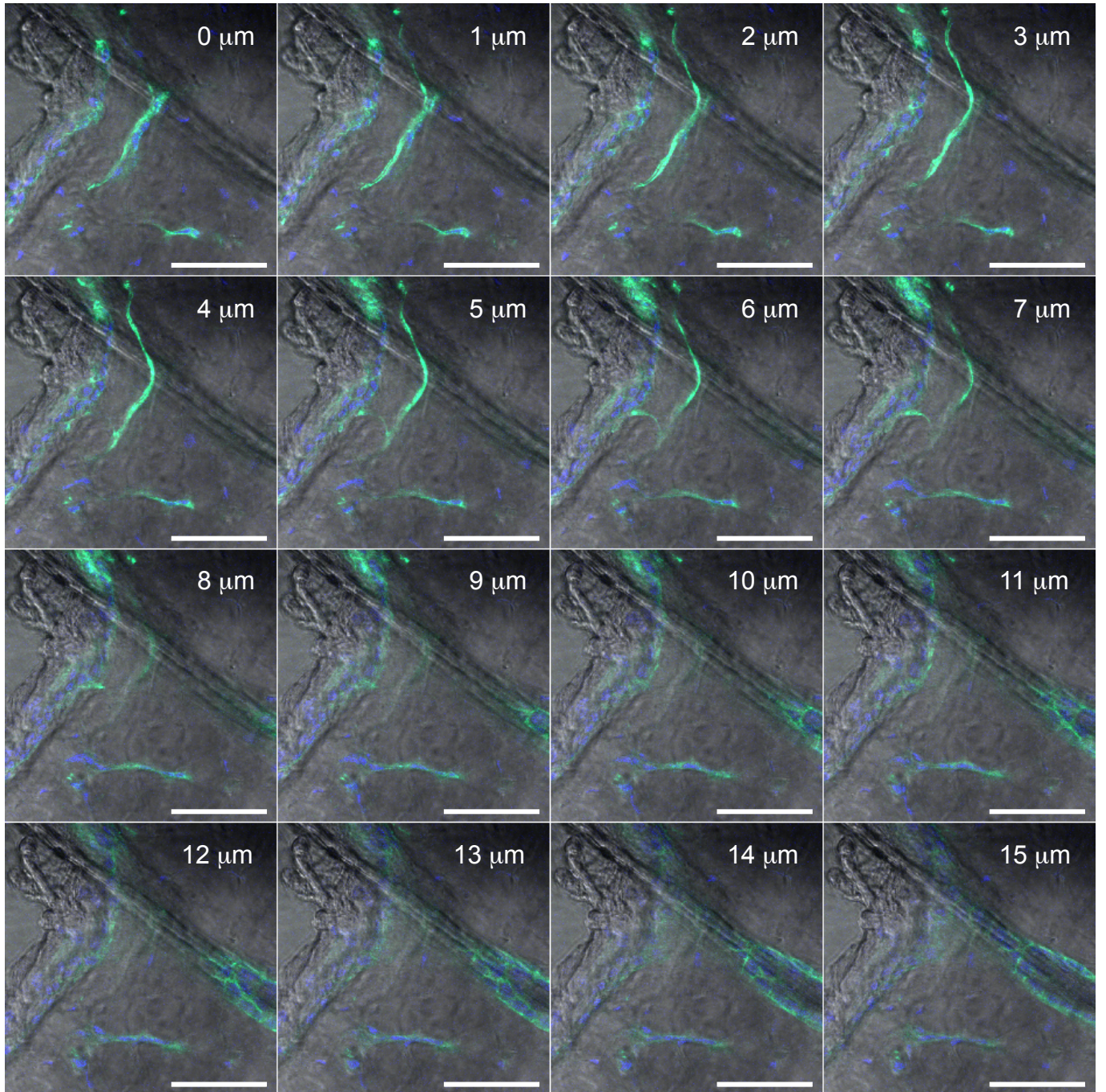
### **Supplementary Figure Legends**

Supplementary Figure 1. Distribution of micro vessels in the rat skin.

The cross sections of rat skin were stained by FITC-labeled GSI-B4 (vascular endothelial cells) and Hoechst33342 (nuclei). Z-stuck images of each 1 mm interval were shown. Scale bar = 50  $\mu\text{m}$ .

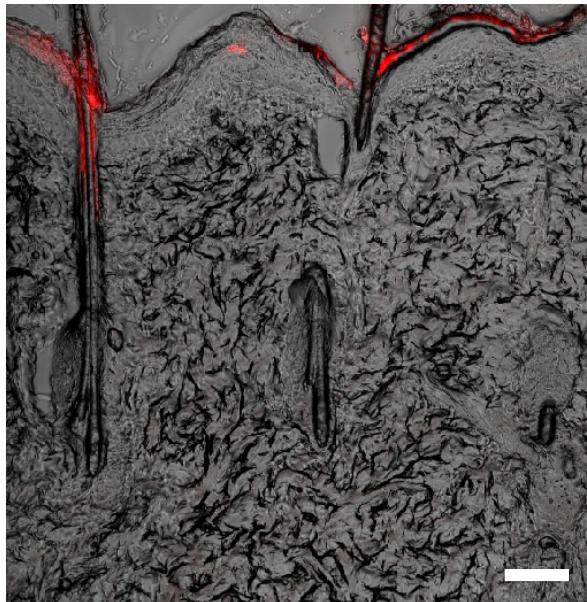
Supplementary Figure 2. Transfollicular transfer of liposomes under passive condition.

1 ml of 5 mM suspensions of fluorescent-labeled cationic liposomes (5  $\mu\text{mol}$  lipids), composed of DOTAP/EPC/Chol = 2:2:1 containing 1mol% of rhodamine-DOPE, was filled into the TCT<sup>TM</sup> device. And then, the device was pasted onto the rat skin for 1 h without current supply (i. e. passive condition). The TCT<sup>TM</sup> devices were removed from the skin, and three hours after removal of devices, a cross section of the skin (15  $\mu\text{m}$  thickness) was observed by confocal laser scanning microscopy. Scale bar = 100  $\mu\text{m}$ .



Supplementary Figure 1

DOTAP/EPC/Chol=2:2:1



Supplementary Figure 2