

Photodynamic Therapy for Neovascularization in Lipid Keratopathy

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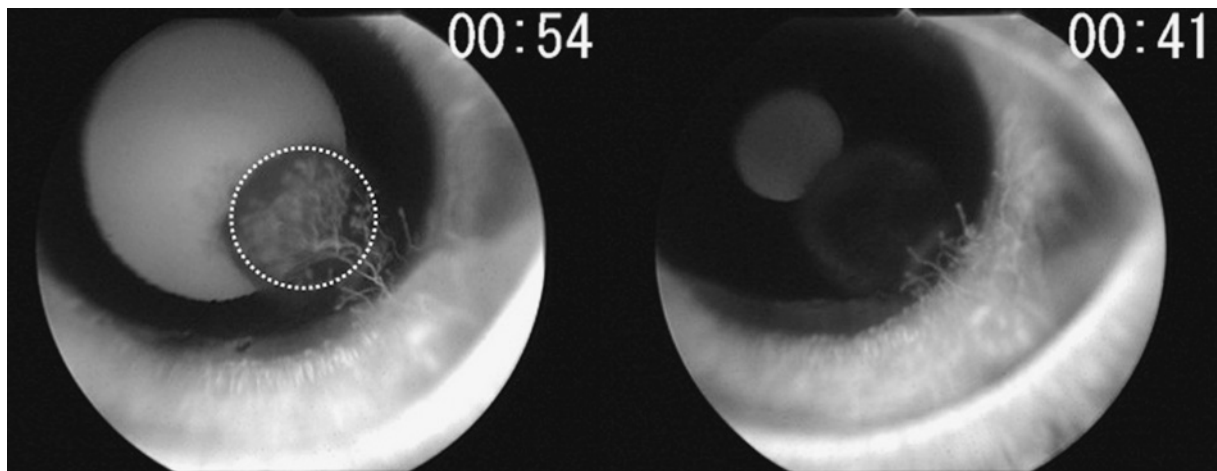


Fig. 1

Lipid keratopathy is a disease in which fat accumulates and feeding vessels penetrate the cornea. When fat accumulates at the center, visual acuity decreases. To date, no useful treatments have been confirmed, but favorable results appear to be obtained using photodynamic therapy. In photodynamic therapy for cancer, cells are selectively killed by intravenous injection of a light-sensitive substance and irradiation of the area with a low-power laser. In the field of ophthalmology, a vascular-selective light-sensitive substance is selectively used to eliminate new blood vessels in age-related macular degeneration. The left angiographic image was obtained before therapy, and the right image was obtained after therapy. After the area surrounded by the dotted line was irradiated with a laser, the number of vessels decreased.