

A case of the use of fibrin glue in leaking filtering bleb. [Japanese]

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Abstract:

A 38-year-old female with glaucoma who had undergone bilateral filtration operation 25 years previously developed a spontaneous leak in the filter bleb in the right eye. The anterior chamber of the right eye was shallow, and a Seidel-positive wound leak was evident in the flat, avascular filter bleb. Intraocular pressure (IOP) in the right eye was 1 mmHg and abnormalities due to the hypotonia were evident. The bleb was injected with sodium hyaluronate and then with autologous blood, and antibiotic and carbonic anhydrase inhibitor agents were administered topically but were not effective. Fibrin glue (Bolheal, Kaketuken, Japan) was injected with autologous blood into the bleb and also applied over the leak site, followed by application of a soft contact lens. When the eye was examined 2 days later, after removal of the soft contact lens, the depth of the anterior chamber had increased and IOP had increased to an average of about 10 mmHg. In this case, fibrin glue was effective in closing the bleb leak that occurred after iridectomy.