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SPONTANEOUS CLOSURE OF MACULAR HOLE: CASE SERIES

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Introduction:

To present a series of cases with spontaneous closure of full thickness macular hole (FTMH).

Materials and methods:

The etiology of FTMH, including ocular blunt trauma, laser-induced, and anterior uveitis-associated FTMH, in which the macular hole closed spontaneously without surgery, were reviewed.

Results:

The patient age range was 25 to 35 years. There were 3 eyes with full-thickness macular holes. Spontaneous closure occurred after 2 weeks to 1 month of observation. After 2 years of follow-up, visual acuity improved, and no recurrence was observed in two eyes. However, anterior uveitis-associated FTMH showed recurrence in the first year of follow-up and required surgery.

Conclusions:

Spontaneous closure of traumatic macular holes may occur within 2 months after the initial presentation. Thus, observation is suggested; however, other co-existing factors such as uveitis can cause recurrence of macular holes.