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SPONTANEOUS CLOSURE OF FULL-THICKNESS MACULAR HOLE AFTER VITRECTOMY FOR RETINAL DETACHMENT: EVIDENCE OF ELLIPSOID ZONE RESTORATION

Oral

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Purpose:

To describe a case of spontaneous full thickness macular hole (FTMH) generation and spontaneous closure after pars plana vitrectomy (PPV) for a macula sparing rhegmatogenous retinal detachment (RRD), and discuss the current evidence of ellipsoid zone (EZ) restoration.

Methods:

retrospective single case report

Results:

A pseudophakic 69-year-old man underwent PPV for a macula-sparing superior RRD in the right eye (RE). Best corrected visual acuity (BCVA) was 20/20 before surgery. Three weeks later, the patient complained about visual impairment, and a FTMH was detected at fundus examination and confirmed by optical coherence tomography (OCT) scan. The patient was scheduled for a repeated surgery, but FTMH spontaneously closed after eighteen days. During the follow up, the visual acuity progressively improved along with the EZ restoration, until a complete functional and morphological recovery. When the EZ was completely restored, the BCVA was

Conclusions:

To the best of our knowledge, this is the most rapid case of FTMH generation and spontaneous closure after macula-sparing RRD repair reported in the scientific literature. Moreover, it provides evidence of EZ restoration after spontaneous FTMH closure.