A DEXAMETHASONE IMPLANT TRAPPED AT THE MACULA IN A SILICONE OIL-FILLED EYE

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Objective: To report a trapped dexamethasone implant at the macula in silicone oil (SO)-filled eye. Case Report: A 55-year-old woman with a history of central retinal vein occlusion (CRVO) presented with reduced visual acuity (VA) in her left eye that persists for one month. The patient had already received 7 doses of intravitreal ranibizumab, 3 doses of intravitreal aflibercept and a dexamethasone implant in our center. She had undergone pars plana vitrectomy (PPV) with SO injection at another center for persisting CME. The patient admitted to our hospital again. During ophthalmologic examination, Snellen best corrected VA was counting fingers at one meter in the left eye. Optical coherence tomography (OCT) analysis revealed cystoid macular edema (CME). In fluorescein angiographic (FA) evaluation, peripheral ischemia with diffuse retinal leakage were detected. Intravitreal administration of dexamethasone implant (Ozurdex, Allergan Inc, Irvine, CA) was considered. On postoperative 3rd day following the injection, the implant was detected at the macula. At last visit, 3 months after the injection, the implant was found to be entirely dissolved. Conclusions: Presence of trapped dexamethasone implant was rarely reported in previous literature (1). Further studies are needed in order to better understand the mechanism of the migration of the intravitreal drug implants in SO-filled eyes.