Ophthalmic Images

Silicone Oil Droplet Over the Optic Nerve Head After Intravitreal Injections

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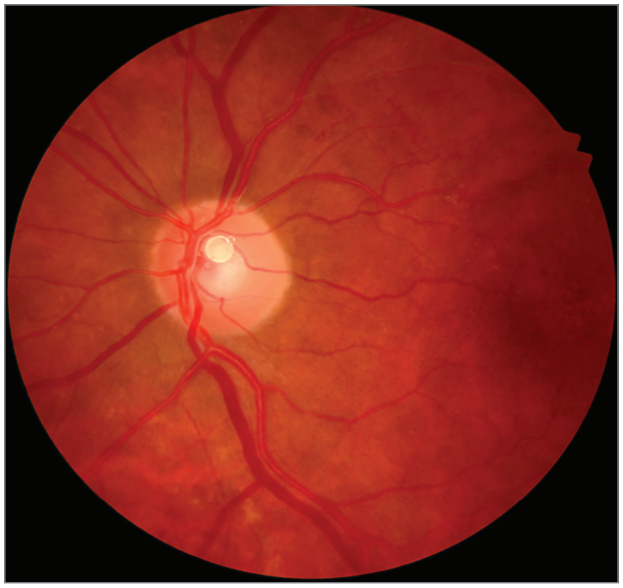
A Fundus photograph



B Optical coherence tomography

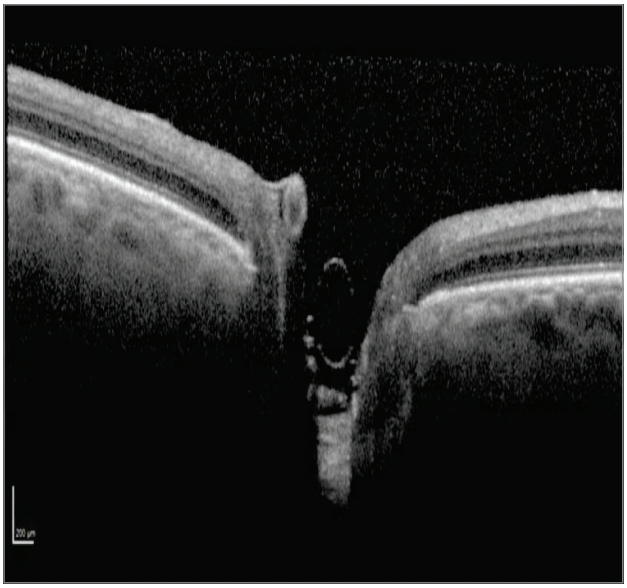


Figure. A, Fundus photograph of the left eye with a silicone oil droplet over the optic nerve head. B, Optical coherence tomography of the left eye with oil droplet.

A nearly 80-year-old patient presented with branch retinal vein occlusion of the left eye and cystoid macular edema, without evidence of capillary nonperfusion. At the baseline visit, their visual acuity was 6/6 (20/20) OD and 6/18 (20/63) OS. Over a 6-year period, the patient received the following interventions: 9 bevacizumab injections, 1 triamcinolone injection, and 7 dexamethasone intraocular implants. During a routine follow-up visit, the patient was noted to have a silicone oil droplet over the optic nerve head (**Figure**, A and B). This was asymptomatic and required no treatment.

The association between silicone oil droplets and intravitreal injections has been previously reported, following treatments including bevacizumab, ranibizumab, and triamcinolone.[1,2] It is thought to be the result of the silicone oil used as a lubricant within the intravitreal syringes. Avoidance of agitation or flicking of the needle at the time of administration might reduce the incidence of silicone oil droplet formation.[3] Silicone-free syringes have been proposed to eliminate the occurrence of the oil droplet altogether.[4]

ARTICLE INFORMATION

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Conflict of Interest Disclosures: None reported.

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