Treatment of refractory uveitic macular edema: results of a first and second implant of long-acting intravitreal dexamethasone

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Purpose: The purpose of this study was to report the functional and anatomical outcomes of a prospective study resulting from repeated dexamethasone intravitreal implants in patients with uveitic refractory macular edema.

Methods: Twelve eyes of 9 patients with intermediate and posterior noninfectious inflammatory uveitis complicated with refractory macular edema were regularly reviewed after a dexamethasone intravitreal implant. Patients were examined at baseline, 30, 90, 135, and 180 days with best-corrected visual acuity (BCVA), complete slit-lamp examination, intraocular pressure (IOP), optical coherence tomography, and fluorescein angiography. After 6 months of follow-up, eyes were reassessed to receive a second implant.

Results: BCVA significantly improved when comparing the baseline values after the first and second implant (16.2 and 25.8 letters, respectively, 9.6 letters improvements, \( p < 0.05 \)). BCVA was better after the second implant compared to the first one throughout the follow-up, but without statistical significance. Mean central macular thickness (CMT) was 446.3 ± 129.9 μm at baseline and was significantly reduced until day 135 (\( p < 0.05 \)). CMT reductions after the second injection showed a similar pattern, though differences were not statistically significant.

Cataract progression was observed in 4 of 8 phakic eyes (50%) after the first implant, and in 2 of 3 phakic eyes following the second implant, with 1 eye requiring cataract surgery. One eye developed an IOP >30 mmHg 30 days after the second implant, treated topically.

Conclusion: Repeated dexamethasone intravitreal implants in uveitic patients with refractory macular edema can be used effectively in a clinical setting with an acceptable safety profile.

Keywords: uveitis, macular edema, dexamethasone, intravitreal implant

Introduction
Uveitis is a group of inflammatory diseases of the eye accounting for 10%–15% of legally blind people in the Western world.\(^1\)\(^-\)\(^3\) Noninfectious uveitis is the most common cause of uveitis. The clinical presentation is often a chronic and/or recurrent inflammation, leading to the breakdown of the inner and outer blood–retinal barrier, to increased vessels permeability, swelling of the central retina, and cystoid macular edema (CME). Several factors are implicated, including increased levels of vascular endothelial growth factor, inflammatory mediators (prostaglandins, interleukin-6), as well as a reduction of the endothelial tight junctions.\(^4\)\(^-\)\(^7\) Corticosteroids were the mainstay in the treatment of uveitis, with considerable advances in the immunosuppressive therapy established in recent years.\(^8\)\(^-\)\(^9\) Steroids present important systemic and ocular side effects, the latter being increased intraocular pressure (IOP) with a varying range of 20.8%–52% and accelerated cataract formation in 29% of patients.\(^10\)\(^-\)\(^15\)
effective route of administration of steroids is a matter of debate. The Ozurdex® implant (Allergan, Inc, Irvine, CA, USA) injected into the vitreous chamber through a 22-gauge applicator has proved to be effective in treating macular edema from branch retinal vein occlusion/central retinal vein occlusion, as well as uveitis and other etiologies. The implant is a biodegradable copolymer composed of polylactic acid and polyglycolic acid that erodes into carbon dioxide and water, while dexamethasone is released into the eye.

The purpose of this case series was to report our experience in a real-life setting of ≥1 dexamethasone intravitreal implants in patients affected by noninfectious intermediate uveitis, posterior uveitis, or panuveitis whose CME was refractory to other steroid therapies.

Methods
Study design
This is a prospective, single center, interventional study. All patients signed an informed written consent form before initiation of the procedures performed as per standard of care according to the Italian Ophthalmic Society guidelines. The study was approved by the local Ethic Committee (Comitato Etico A.O.U Città della Salute e della Scienza – A.O. Ordine Mauriziano – A.S.L Città di Torino, protocol no 0033070).

Study population
Patients of at least 18 years of age with a diagnosis of intermediate or posterior noninfectious inflammatory uveitis or panuveitis with persistent macular edema lasting for ≥90 days refractory to oral or peribulbar steroid treatment were offered long-acting dexamethasone intravitreal implant. Patients had steroid systemic treatment that had to be stable for ≥3 months at the time of the injection. After the dexamethasone intravitreal injection, no systemic treatment was added. All eyes received topical nonsteroidal anti-inflammatory drugs 3 times a day for 1 month following the injection.

Key exclusion criteria were moderate or severe glaucoma not controlled by medical therapy, steroid responder patients (defined as IOP ≥30 mmHg or rise of ≥15 mmHg after steroid administration), poorly controlled hypertension (defined as systolic pressure >160 mmHg and diastolic pressure >90 mmHg), and poorly controlled diabetes (with HbA1c >13%).

Study treatment
From November 2011 to January 2014, 12 eyes of 9 patients were included in the study. The dexamethasone intravitreal implant was inserted into the vitreous cavity through the pars plana using a single-use 22-gauge applicator by an experienced ophthalmologist (AMF). Prior to each treatment, the study eye was anesthetized with topical anesthetics and prepared according to standard guidelines of the Italian Ophthalmic Society for intravitreal injection of the long-acting dexamethasone implant. All patients were treated with a topical ophthalmic antibiotic 4 times a day starting 3 days prior to the day of their study procedure (day 0) and continuing for 5 days after the procedure.

Outcome measures and follow-up
Patients were evaluated at baseline, 7, 30, 90, 135, and 180 days after the study treatment. The primary outcome at 6 months was improvement of best-corrected visual acuity (BCVA) measured using the standardized Early Treatment Diabetic Retinopathy Study protocol. Secondary outcomes were reduction of central macular thickness (CMT) and improvement of ocular inflammation. Complete slit-lamp biomicroscopy was performed in order to detect nuclear, cortical, or posterior subcapsular lens opacities and signs of inflammation in the anterior chamber (Tyndall effect, cells, flare). IOP was measured with a Goldmann applanation tonometer using a cutoff of ≥25 mmHg or a rise of ≥20% compared to the patient’s baseline IOP to treat ocular hypertension. Posterior ocular inflammation was evaluated through indirect fundus examination for vitreous haze evaluation and examination of the posterior pole of the retina. Fluorangiography (HRA1; Heidelberg, Germany) was also performed with intravenous fluorescein and indocyanine green taking images of both the posterior pole and retinal periphery during early, mid, and late phases. Measurements of CMT were carried out using optical coherence tomography (OCT; SD-OCT RTV100; Optovue Inc, Fremont, CA, USA).

The primary outcome of BCVA improvement was evaluated using a cutoff of a 15-letter improvement (3 lines on standard visual acuity chart) and a second 10-letter improvement cutoff (2 lines on standard visual acuity chart). CMT thickness reduction was considered significant when it reduced >20% compared to the initial value.

Eyes were reassessed after 6 months of follow-up to receive a second implant. Eyes with a BCVA improvement of ≥10 letters and/or a decrease in CMT of ≥20% compared to baseline were considered to be responding to the treatment. Eyes with a BCVA improvement of <10 letters and those with a CMT reduction <20% at OCT were considered as non-responding to the treatment.

Lens status
The Lens Opacities Classification System (LOCS) III grading system was used to assess the severity of cataract.
The threshold for referring a patient for cataract surgery was a progression of lens opacity according to the LOCS system associated with reduction of BCVA.

Data analysis and statistical methods

Mean values of BCVA, CMT, and IOP were recorded at each visit and compared with baseline values using Student’s t-test for paired samples. An α level of 0.05 was considered statistically significant. Baseline digital photos were taken to evaluate the reduction of ocular inflammation throughout the follow-up and were compared on a clinical basis.

Results

Patient demographics and baseline characteristics are listed in Table 1.

Mean age was 60.8 years (range 23–78 years), two-thirds of the patients were male, and the vast majority (8 of 9 patients, 88.9%) were Caucasians. Seven out of 12 eyes (58.3%) were phakic, 4 (33.3%) were pseudophakic, and 1 eye (8.7%) was aphakic. Epiretinal membranes (ERMs) were present at baseline in 4 eyes, 4 developed it during the follow-up, and in 4 eyes no membranes were observed throughout the whole period. None of the ERMs required surgical intervention. During the visit at day 180, 5 eyes of 5 patients were considered suitable to be reinjected: all of them presented an improvement of both central retinal thickness (CRT) and BCVA. The mean reinjection time was 8.8 months (range 7–10) (Table S1). Seven eyes of 4 patients did not show a significant improvement in BCVA or a reduction in CMT and were not reinjected. Three of these had stable visual acuity at day 180, whereas in 3 other eyes no significant improvement in BCVA was detected throughout the follow-up. Migration of the implant into the anterior chamber happened in 1 aphakic eye, and thus was not considered suitable for repeated injections.

Visual acuity

First implant

Mean BCVA changes after 1 dexamethasone intravitreal implant in the 12 eyes considered in this study are shown in Figure 1. Pre-implant mean visual acuity was 20.3 letters (±15.9). It showed significant improvement at all follow-up visits (p<0.05), with a gain of 12 letters (32.3±18.1) at day 30, 11.9 letters (32.25±18.9) at day 90, 10.1 letters (30.4±18.7) at day 135, and 8 letters (28.3±17.9) at day 180. Fifty percent of the eyes (6 out of 12) had a 15-letter improvement at day 30 and 90, and 25% (4 out of 12) at day 135 and 180. Fifty percent of the patients obtained a 10-letter improvement.

Table 1 Patient demographics and baseline characteristics

<table>
<thead>
<tr>
<th>Patient</th>
<th>Age</th>
<th>Sex</th>
<th>Diagnosis</th>
<th>Therapy</th>
<th>Basal BCVA</th>
<th>Responders</th>
<th>Lens</th>
<th>ERM at baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>55</td>
<td>M</td>
<td>RE: idiopathic recurrent panuveitis</td>
<td>Prednisone 25 mg/day, Dexamethasone 1 drop/day, Methotrexate 2.5 mg/week</td>
<td>45</td>
<td>No</td>
<td>Phakic</td>
<td>No</td>
</tr>
<tr>
<td>2</td>
<td>75</td>
<td>M</td>
<td>RE: idiopathic granulomatous panuveitis</td>
<td>Prednisone 2.5 mg/day, Dexamethasone 2 drops/day</td>
<td>25</td>
<td>Yes</td>
<td>Pseudophakic</td>
<td>Yes</td>
</tr>
<tr>
<td>3</td>
<td>74</td>
<td>F</td>
<td>LE: recurrent uveitis with CMO</td>
<td>Prednisone 5 mg/day, Bromfenac 2 drops/day, Dexamethasone 1 drop BID</td>
<td>1</td>
<td>No</td>
<td>Surgical aphakia</td>
<td>No</td>
</tr>
<tr>
<td>4</td>
<td>46</td>
<td>M</td>
<td>RE: intermediate uveitis</td>
<td>Prednisone 25 mg/day, Hydroxychloroquine 200 mg/day</td>
<td>30</td>
<td>Yes</td>
<td>Phakic</td>
<td>No</td>
</tr>
<tr>
<td>5</td>
<td>60</td>
<td>F</td>
<td>BE: intermediate uveitis</td>
<td>Prednisone 5 mg/day, Methotrexate 10 mg/week, Dexamethasone 4 drops/day, Subconjunctival triamcinolone acetone 40 mg</td>
<td>47</td>
<td>No</td>
<td>Phakic</td>
<td>Yes</td>
</tr>
<tr>
<td>6</td>
<td>23</td>
<td>M</td>
<td>RE: intermediate uveitis in CMO, LE: vasculitis in Behcet’s-like disease</td>
<td>Prednisone 10 mg/day, Cyclosporine A 200 mg/day, Azathioprine 50 mg/day, Brinzolamide/timolol 2 drops/day</td>
<td>1</td>
<td>Yes</td>
<td>Phakic</td>
<td>No</td>
</tr>
<tr>
<td>7</td>
<td>70</td>
<td>M</td>
<td>RE: multifocal choroiditis</td>
<td>Prednisone 5 mg/day, Dexamethasone 3 drops/day</td>
<td>20</td>
<td>Yes</td>
<td>Pseudophakic</td>
<td>Yes</td>
</tr>
<tr>
<td>8</td>
<td>78</td>
<td>F</td>
<td>BE: panuveitis</td>
<td>Prednisone 5 mg/day, Dexamethasone 3 drops/day</td>
<td>5</td>
<td>Yes</td>
<td>Pseudophakic</td>
<td>Yes</td>
</tr>
<tr>
<td>9</td>
<td>67</td>
<td>M</td>
<td>RE: recurrent uveitis in sarcoidosis</td>
<td>Prednisone 5 mg/day, Cyclosporine 150 mg/day, MTX 10.5 mg/week</td>
<td>10</td>
<td>Yes</td>
<td>Phakic</td>
<td>No</td>
</tr>
</tbody>
</table>

Abbreviations: RE, right eye; LE, left eye; BE, both eyes; M, male; F, female; ERM, epiretinal membrane; BID, twice a day; CMO, cystoid macular oedema; BCVA, best-corrected visual acuity.
improvement at days 30, 90, and 135. This was maintained in 33% of the eyes at day 180. BCVA improvement maintained its statistical significance when analyzing only the worst eye of patients who received treatment in both eyes (Table S2).

Second implant
Considering the reinjected eyes, mean visual acuity showed a significant increase of 10.6 letters ($p<0.05$) after the second implant at day 30 (36.4±10.9 letters compared to 26±13.6 letters at baseline). Although BCVA increased during the entire period with a gain of 9.2 letters (35±14.5 letters) at 90 days, 7.2 letters (33±14.8 letters) at 135 days, and 4.2 letters (30±14.5 letters) at 180 days, the difference with baseline values was not statistically significant ($p>0.05$) (Figure 2).

CMT
First implant
Mean CMT was 446.3±129.9 μm at baseline and was significantly reduced throughout the 135th day of follow-up visit ($p<0.05$) (Table 2).

In all, 66.7% (8 out of 12) of the patients presented a CMT reduction ≥20% compared to mean baseline values until day 135. This percentage reduced to 33% at the 6 months follow-up visit. When analyzing only the worst eyes of those patients who received treatment in both eyes, the CMT was significantly reduced until day 135 ($p<0.05$) (Table S2).

Second implant
CMT at baseline was 493.2±134.6 μm. At day 30, CMT was reduced to 360.8±134.6 μm, to 371.6±102.3 μm at 90 days, to 445.8±157.7 μm at 135 days, to 462.8±187.5 μm at 180 days ($p>0.05$) (Table 3). CMT reductions after the second injection showed a similar pattern when compared to the first injection, though differences between the 2 groups were not statistically significant.

IOP
Following the first implant, mean IOP at baseline was 11.91±3.57 mmHg. It rose to 13.75±4.24 mmHg 30 days after the procedure, to 14.33±5.10 mmHg at day 90, to 13.41±3.41 mmHg at day 135, and to 13.91±2.06 mmHg at 6 months follow-up. These variations never appeared to be statistically significant ($p>0.05$). An IOP ≥25 mmHg was not observed during the first implant.

After the second implant, IOP was higher at 30 days (17±7.77 mmHg) compared to pre-implant values (14.6±5.4 mmHg). This was due to a single eye which developed an IOP of 30 mmHg at day 30 and was successfully treated with topical therapy (brinzolamide 10 mg/mL + timolol 5 mg/mL) until the following visit at day 90.

Table 2 Changes in mean CMT following one dexamethasone intravitreal implant, in 12 eyes diagnosed with noninfectious inflammatory uveitis

<table>
<thead>
<tr>
<th>CMT (μm)</th>
<th>First implant (mean ± SD)</th>
<th>$p$-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline</td>
<td>446.3±129.9</td>
<td></td>
</tr>
<tr>
<td>30 days</td>
<td>320±97</td>
<td>$&lt;0.05$</td>
</tr>
<tr>
<td>90 days</td>
<td>310±43</td>
<td>$&lt;0.05$</td>
</tr>
<tr>
<td>135 days</td>
<td>313±45.7</td>
<td>$&lt;0.05$</td>
</tr>
<tr>
<td>180 days</td>
<td>395±145.3</td>
<td>0.09</td>
</tr>
</tbody>
</table>

Abbreviation: CMT, central macular thickness.

Table 3 Changes in mean CMT following a second dexamethasone intravitreal implant in 5 eyes diagnosed with noninfectious inflammatory uveitis

<table>
<thead>
<tr>
<th>CMT (μm)</th>
<th>Second implant (mean ± SD)</th>
<th>$p$-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline</td>
<td>493.2±135</td>
<td></td>
</tr>
<tr>
<td>30 days</td>
<td>360±112</td>
<td>0.06</td>
</tr>
<tr>
<td>90 days</td>
<td>371.6±102.3</td>
<td>0.06</td>
</tr>
<tr>
<td>135 days</td>
<td>446±157.8</td>
<td>0.08</td>
</tr>
<tr>
<td>180 days</td>
<td>462±188</td>
<td>0.4</td>
</tr>
</tbody>
</table>

Abbreviation: CMT, central macular thickness.
Lens status
Cataract progression was observed in 4 of 8 phakic eyes (50%) after the first dexamethasone intravitreal implant, and in 2 of 3 phakic eyes following the second implant, with 1 eye requiring cataract surgery with posterior chamber intraocular lens implant.

Anterior chamber migration
Migration into the anterior chamber of the device was observed 24 hours after the injection in the only aphakic patient. This complication was handled with pupil dilation and postural manoeuvres, enabling repositioning of the implant in the vitreous chamber (Figure S1).

Repeat injections of dexamethasone
Mean BCVA values of the 5 patients who underwent the first and the second implant are plotted in Figure 3. For those patients who received 2 dexamethasone intravitreal implants, mean values of BCVA and CMT were compared for the baseline and for each subsequent visit. Mean visual acuity at baseline was better before the second implant compared to initial visual acuity prior to the first implant. There was a 9.6-letter improvement (16.2 letters before first implant and 25.8 letters before second implant); this difference was statistically significant ($p<0.05$). All the following visits showed a greater BCVA after the second device implant compared to the first one (36.4 vs 33.6 letters at 30 days, 35 vs 32.2 letters at 90 days, 33.4 vs 30 letters at 135 days, 31.4 vs 28 letters at 180 days), but none were statistically significant. CMT of the first implant was 504.4 μm at baseline, 373 μm at 30 days, 319.4 μm at 90 days, 348.6 μm at 135 days, and 485 μm at 180 days, whereas during the second treatment it reached 493.2, 360.8, 371.6, 445.8, and 462.8 μm, respectively. These differences were not statistically significant.

Vitreoretinal interface
Six eyes out of 12 (50%) demonstrated abnormalities of the vitreo-macular interface, ranging from subtle thickening without traction (5 eyes, 41%) to ERMs. We did not notice a progression of the ERM during follow-up. In all these cases, after the implant the membranes followed the shape of the retina suggesting that the tractional role was minimal (Figures S2–S4).

Conclusion
Blindness is attributed to uveitis in 10%–15% of cases in the developed world.1 One of the most common complications is CME, which may be particularly difficult to treat. Its chronicity accounts for severe visual loss, occurring in 25%–50% of patients.2–4
In this study, we examined the effect of repeated intravitreal injections of 0.7 mg long-acting dexamethasone in eyes with recalcitrant macular edema secondary to noninfectious inflammatory uveitis in a clinical setting. All eyes had undergone at least one line of therapy, with oral steroids and/or immunosuppressive medications, without any effect on the macular edema.

After the first implant, we found 1) a significant improvement of BCVA through the entire 6 month follow-up period, 2) a significant reduction of CMT until day 135, with a thickness increase observed at 180 days, 3) a safety profile consistent with the other studies, and 4) a case of anterior chamber dislocation in aphakic eye, successfully treated with postural manoeuvres.

The HURON study22 examined the use of a single dexamethasone implant in cases of chronic noninfectious uveitis, showing an improvement in BCVA and vitritis accompanied by a decrease in CRT. In the 77 eyes receiving 0.7 mg long-acting dexamethasone, the mean visual acuity was 58 letters at baseline, with 46.2% of eyes achieving a ≥15-letter improvement at 6 months ($p<0.001$). In an observational case series on repeat dexamethasone implants in noninfectious uveitis by Tomkins-Netzer et al,25 the mean baseline visual acuity was 0.47 and 0.43 at 6 months. Zarranz-Ventura et al26 reported in another multicenter retrospective cohort study a visual acuity of 0.68 logMAR at baseline, significantly improving to 0.6 logMAR at 6 months. In our cohort, pre-implant BCVA, with a mean value of 20.3 (±15.9) letters, significantly improved to 28.3±17.9 letters ($p<0.05$) at 6 months, and 4 out of 12 eyes (25%) showed a 15-letter improvement at the same time point. These values seem to be more in line with retrospective studies,25,26 having patient inclusion criteria not as strict as those found in randomized trials.22 CRT was significantly

![Figure 3 Best-corrected mean visual acuity after 1 dexamethasone intravitreal implant in 5 eyes of 5 patients who responded to treatment.](image)

Notes: **The difference between mean baseline values showed statistical difference. First implant: straight line, second implant: dotted line.

Abbreviations: BCVA, best-corrected visual acuity; ETDRS, Early Treatment Diabetic Retinopathy Study.
In our cohort, 1 out of 12 eyes had an anterior chamber displacement occurred in aphakic patients and AC-IOLs is stronger at present, managed with postural maneuvers. Evidence of complications in aphakic patients and AC-IOLs is stronger at present, while this was not the case during the inclusion of patients in this study. Before the first injection, 8 of 12 eyes (66%) presented with an ERM, without metamorphopsia or traction. The implant proved effective in reducing the macular thickness even in the presence of ERM and determined a functional improvement. In a few cases reported in the literature, intravitreal dexamethasone implant in association with a vitreo-macular traction resulted in the formation of a macular hole or pseudohole. In our study, no macular hole presented over the 26 months study.

This paper had some limitations especially concerning the less number of patients and the absence of a control group to compare the results. Also, a longer follow-up with a higher reinjection frequency would allow to detect changes and side effects more accurately.

In conclusion, this single-arm interventional prospective study illustrates how dexamethasone intravitreal implant in uveitic patients with refractory macular edema can be used effectively in a clinical setting. It also shows that in patients with alterations of the vitreo-macular interface, the implant can be effective in reducing the macular thickness before any surgical therapy is attempted. Patients with recurrent macular edema may benefit from a second implant although some of them can show an increase of IOP. Further randomized studies are needed to evaluate the role of dexamethasone multiple implant on cataract development.

Disclosure
The authors report no conflicts of interest in this work.

References


Supplementary materials

Table S1 Eyes receiving the first and second dexamethasone intravitreal implant, and the mean interval between injections

<table>
<thead>
<tr>
<th>Study eyes and reinjection interval</th>
<th>First dexamethasone intravitreal implant</th>
<th>Second dexamethasone intravitreal implant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study eyes</td>
<td>12</td>
<td>5</td>
</tr>
<tr>
<td>Reinjection interval, mean (range)</td>
<td>0</td>
<td>8.8 (7–10)</td>
</tr>
</tbody>
</table>

Table S2 Changes in BCVA and CMT following one dexamethasone intravitreal implant in 9 eyes affected by noninfectious inflammatory uveitis, considering only the worst eye for patients receiving treatment in both eyes

<table>
<thead>
<tr>
<th>Study visit</th>
<th>BCVA (ETDRS letters) mean ± SD (p-value)</th>
<th>CMT (μm) (p-value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline</td>
<td>17.1±16.6</td>
<td>446.7±127</td>
</tr>
<tr>
<td>30 days</td>
<td>28±18.6</td>
<td>326.4±112</td>
</tr>
<tr>
<td>90 days</td>
<td>30±20</td>
<td>315.7±46.4</td>
</tr>
<tr>
<td>135 days</td>
<td>28±19.5</td>
<td>317.3±47</td>
</tr>
<tr>
<td>180 days</td>
<td>25±18.5</td>
<td>398±140</td>
</tr>
</tbody>
</table>

Abbreviations: BCVA, best-corrected visual acuity; CMT, central macular thickness; ETDRS, Early Treatment Diabetic Retinopathy Study.

Figure S1 Anterior chamber migration of the long-acting intravitreal dexamethasone implant with corneal edema in an aphakic patient.

Notes: Postural maneuvers with previous pupil dilation allowed correct repositioning of the implant with full resolution of the corneal edema and restoration of the VA before the complication. (A) Migration of the dexamethasone intravitreal implant into the anterior chamber. (B) Resolution of corneal edema after repositioning of the device into the vitreous chamber.

Abbreviation: VA, visual acuity.

Figure S2 OCT image of an epiretinal membrane 30 days after intravitreal dexamethasone injection.

Abbreviation: OCT, optical coherence tomography.

Figure S3 OCT image of an epiretinal membrane 90 days after intravitreal dexamethasone injection.

Abbreviation: OCT, optical coherence tomography.

Figure S4 OCT image of an epiretinal membrane 180 days after intravitreal dexamethasone injection.

Abbreviation: OCT, optical coherence tomography.