Letters to the Editor

Subthreshold laser for active central serous chorioretinopathy

Láser subumbral para coriorretinopatía serosa central activa

Dear Sir:

The treatment of chronic central serous chorioretinopathy (CSC) is a challenge for retinologists because, despite a broad diversity of proposals it was not possible to find the best manner to manage these cases.

We present a case illustrating the potential efficacy of treatment with subthreshold photocoagulation in a 38-year-old male with chronic subretinal fluid and progressive visual deterioration secondary to CSC in the left eye. Despite previous treatments with topical nonsteroid anti-inflammatories, oral acetylsalicylic acid, oral spironolactone and intravitreal

Fig. 1 – Progressive reduction of macular serous detachment after treatment with subthreshold laser on the active extrafoveal leak point. Fluorescein angiography in left eye in early stage (A) and in late stage (B) illustrating fluorescein extravasation in superior/nasal focal point, the origin of the subretinal fluid which causes neuroepithelium serous detachment with macular involvement (D) observed in optic coherence tomography (OCT) (Heidelberg Engineering, Heidelberg, Germany), with defined limits in autofluorescence infrared scan image (Heidelberg Engineering, Heidelberg, Germany) (F). Three weeks after the subthreshold laser session, the serous detachment diminished significantly (E, F), achieving complete absorption at 8 weeks (G, H).

ranibizumab in the past 10 months, his vision had reached 20/70, which produced significant difficulties for carrying out his daily activities. Fluorescein angiography was carried out, which revealed a superior extrafoveal leak point temporal to the papilla which caused serous detachment of the entire macula (Fig. 1). After the patient declined the photodynamic therapy option, a single photocoagulation session was performed on the leak point with subthreshold diode laser in a rectangular pattern including 6 treatment points, activating EndPoint Management® (Topcon Medical Laser Systems, Santa Clara, CA, USA) with an intensity of 150 mV and a spot size of 100 μ. Three weeks later, a significant subretinal fluid reduction was observed and patient vision improved to 20/40. Subsequently, after 8 weeks the subretinal fluid had disappeared entirely and vision had improved to 20/25. No anatomic changes were found in the laser treatment area or in infrared reflectance, or autofluorescence or optic coherence tomography. The option of treating active leak points with subthreshold laser in patients with visual deterioration secondary to CSC could constitute a safe and effective alternative for accelerating visual recovery. Future studies are necessary to verify the excellent results obtained in the case presented herein.

REFERENCES

Departamento de Oftalmología, Hospital Universitario y Politécnico La Fe, Valencia, Spain
*Corresponding author.
E-mail address: pablooftalmologia@gmail.com
(P. Hernández-Martínez).
2173-5794© 2014 Sociedad Española de Oftalmología. Published by Elsevier España, S.L.U. All rights reserved.

Use of intracameral triamcinolone in pediatric cataract surgery. Diagnostic and therapeutic usefulness

Uso de triamcinolona intracameral sin conservantes en cirugía de la catarata pediátrica. Utilidad diagnóstica y terapéutica

Dear Sir:

The most frequent complications of pediatric cataract surgery (PC) with or without IOL implants, are early post-surgery inflammation and loss of visual axis transparency. These 2 complications are feared because they hamper visual rehabilitation and give rise to difficult complications like secondary glaucoma. The appearance of these complications diminishes when peripheral iridectomy is not performed and when the surgery begins with the pressurized chamber, which shortens surgery time and enables meticulous aspiration of all cortical residue. In addition, the use of subtenon depot corticoids (Trigon Depot®, Bristol-Myers Squibb SL, Nueva York, NY, USA; Celestone Cronodose®, Schering-Plough, S.A., Madrid, Spain) has demonstrated to be efficient. Subsequently, a presurgery posterior capsulorhexis with anterior vitrectomy has been added as an option for enhancing the prevention of post-surgery inflammation.

Starting in 2009, the use of intra-chamber preservative-free triamcinolone acetate (TA) began to be suggested for application at the end of PC surgery with IOL implant due to its anti-inflammatory effects or as adjuvant for vitrectomy, observing lower incidence of early inflammation and visual axis opacification. Also, the use of enoxaparin (low molecular weight heparin) has been suggested in the infusion liquid (BSS), with results void of significance when compared with the group that does not use this product.

Since 2011 we have included in our clinical practice the use of TA with diagnostic purposes in PC surgery with or without IOL implant—in patients under 6–8 years—for diagnostic purposes for visualizing the vitreous and performing correct vitrectomy, as well as for therapeutic purposes to

Please cite this article as: Abreu JA, Pinto C, Lozano V, Aguilar JJ. Uso de triamcinolona intracameral sin conservantes en cirugía de la catarata pediátrica. Utilidad diagnóstica y terapéutica. Arch Soc Esp Oftalmol. 2015;90:248–249.