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Nº CEP

1703/05

Angiographic Features in Central Serous Chorioretinopathy

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Purpose: To describe initial angiographic features as well as to correlate them with the visual prognosis in patients with central serous chorioretinopathy (CSC).

Methods: Prospective uncontrolled case series. Patients with CSC who presented to the Ophthalmology Department of UNIFESP between 05/2003 and 04/2007 underwent complete ophthalmological examination as well as fluorescein angiography, being followed for at least 6 months.

Results: Twenty eyes of 17 patients (13 male; 4 female) were included. Mean follow-up was 34,9 months. Fluorescein angiography (FA) revealed focal leakage (FL) in 13 (65%), multifocal leakage (ML) in 3 (15%) and multiple window defects (MWD) in 4 (20%) eyes. Mean baseline visual acuity was 20/125 for the whole group, and 20/80, 20/400 and 20/25, respectively, for patients with FL, ML and MWD on FA. Three eyes were treated with argon laser photocoagulation (1 with FL, 1 with ML and 1 with MWD on FA). Mean final visual acuity was 20/40 for the whole group, and 20/40, 20/80 and 20/25, respectively, for patients with FL, ML and MWD on FA.

Conclusions: Although the sample size is relatively small, our findings suggest that initial angiographic findings of CSC may predict the visual prognosis, whereby the FL pattern appears to be related with a benign course of the disease.