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Service (sector) Uveitis and AIDS N° CEP

### **IMMUNE RECOVERY SYNDROME UVEITIS**

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**Purpose:** To study the ocular inflammation occurring in patients with acquired immunodeficiency syndrome (AIDS) and inactive cytomegalovirus retinitis (CMVR) during treatment with antiretroviral therapy (HAART), after immune recovery.

**Patients and Methods:** We retrospectively reviewed the medical records of 13 patients with AIDS and inactive CMVR who developed an immune recovery syndrome (IRS) reaction.

**Results:** All of the 13 patients with inactive CMVR and immune recovery syndrome (IRS) had vitritis; this vitreous inflammatory reaction obscured the view of the posterior pole in 6 patients. Four patients presented with cystoid macular edema and two patients with retinal and disc neovascularization. Other findings such as epiretinal membranes and retinal detachment were also observed. The IRS developed after a substantial increase in CD4+T-lymphocyte counts, caused by combination of HAART.

**Conclusions:** Despite the use of HAART, patients with AIDS should be watched closely during the initial period of immune reconstitution, in order to detect the inflammatory ocular reaction that can be present in this phase.

**Keywords:** immune recovery syndrome, vitritis, cystoid macular edema, CD4+ count, AIDS.