

## **Idiopathic Polypoidal Choroidal Vasculopathy Treated with Focal Photodynamic Therapy**

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**Purpose:** To evaluate the clinical effect of the focal treatment with photodynamic therapy (PDT) in idiopathic polypoidal choroidal vasculopathy (IPCV).

**Methods:** Retrospective study of 8 eyes of 6 patients with visual loss and diagnosed of IPCV. Diagnosis was confirmed with indocyanine green (ICG) angiography. We treated with PDT only the “hot spots” or the maximum hyperfluorescence focal area. In the first month, funduscopic and visual acuity examination using ETDRS optotype were performed. In the third month all the examinations, including a fluorescein and ICG angiography, were repeated. Afterwards, controls had taken place every 6 months.

**Results:** Five women and one men were included in the study. Their age was between 64 and 85 years. Mean follow-up was 18.1 months (range: 6-35 months). Mean initial and final visual acuity were 20/100 and 20/80 respectively. We observed a visual acuity improvement in 6 eyes and a visual stability in 2 eyes. Five eyes needed only one treatment, 2 eyes two PDT sessions and only one eye required 5 PDT sessions.

**Conclusions:** In our study, focal photodynamic therapy of “hot spots” has shown to be an effective, non invasive and secure treatment for idiopathic polypoidal choroidal vasculopathy.