

## Abstract 112

### POSTOPERATIVE OUTCOMES OF IDIOPATHIC EPIRETINAL MEMBRANE ASSOCIATED WITH INTRARETINAL CYSTOID SPACES WITH OR WITHOUT PREOPERATIVE LEAKAGE ON FA

Oral

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#### **Purpose:**

To analyze the postoperative outcomes of epiretinal membrane (ERM) associated with intraretinal cystoid spaces with or without leakage on fluoresceine angiography (FA).

#### **Methods:**

A retrospective study of all consecutive eyes operated for primary ERM over a 5-year period was conducted. The presence of intraretinal cystoid spaces was assessed on the preoperative optical coherence tomography (OCT) B-scan in all eyes. Highly myopic eyes were excluded. Postoperative characteristics of eyes with leakage on FA were compared to those without leakage.

#### **Results:**

Of 945 eyes with primary ERM, 239 had intraretinal cystoid spaces (prevalence of 26%). A total of 40 eyes imaged preoperatively with FA were included. On preoperative FA, a leakage was observed in 51% of eyes. After a mean follow-up of 12.8 months, the cystoid spaces had resolved in 54% of eyes, and this rate was similar in eyes with versus without leakage (44% vs 65%  $p = 0.2$ ). The postoperative VA and CMT did not differ between eyes with or without leakage. A higher rate of postoperative macular edema was observed in the eyes with leakage compared without leakage.

#### **Conclusions:**

In a series of 40 eyes with idiopathic ERM and cystoid spaces, preoperative FA showed leakage in 51% of eyes. After peeling, eyes with leakage had functional outcomes similar to those without leakage. However, leakage on preoperative FA was associated with a higher risk of postoperative macular edema.