

( ) R1 ( ) R2 ( ) R3 ( ) PG0 ( ) PG1 ( ) Estagiário ( ) Tecnólogo ( ) PIBIC

Last Name - Freire  
First Name - Juliana  
Middle - Chizzotti

Service (sector)  
Retina and Vitreous

Nº CEP  
1209/07

**Interpretation of the OCT in Patients with choroidal neovascularization due to age-related macular degeneration treated with PDT combined with intravitreal bevacizumab versus intravitreal bevacizumab alone in.**

Freire, Juliana, Teixeira A, Velletri RB, Lago A, Mattos T, Bonomo PP

**OBJECTIVE:** To evaluate the area of hiperreflectivity on the OCT measuring its longitudinal diameter and thickness to compare the changes of the choroidal neovascularization (CNV) during the therapy with PDT combined with intravitreal bevacizumab versus intravitreal bevacizumab alone in.

**DESIGN:** Randomized controlled, double mask and pilot clinical trial.

**METHODS:** A prospective study of nine consecutive eyes presenting CNV secondary of AMD in at least 1 eye that had never been treated previously. They were randomly assigned to receive either a single PDT session with verteporfin combined with IVB and two consecutive monthly IVB injections (group G1), or three consecutive monthly administrations of IVB 1.25 mg (group G2). Was performed OCT measuring the areas of hiperreflective with longitudinal sections (90° and 180°) and their thickness in microns, then compared the areas at the baseline, 1st, 7th, 15th, 30, 60 and 90 days after the start of the therapy. The lesion was measured also using the ICG on the baseline and 90 days after the start of the therapy.

**RESULTS:** The study showed in the measures made with the OCT a reduction of the thickness of the hiperreflective area maintaining its extension during both groups during the treatment period. The ICG measure was higher than the measures found with the OCT, with reduction during the treatment period.