

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
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Service (sector) Retina and Vitreous N° CEP

Optic coherence tomography retinal map in the evaluation of patients with diabetic macular edema Objective: Evaluation of the correlation between macular thickness measured by retinal map OCT and visual acuity in patients with diabetic macular edema before and after laser photocoagulation treatment. Methods: Diabetic patients with clinically significant macular edema were analyzed before and 3 months after laser photocoagulation. Best corrected visual acuity analyzed by means of the minimal angle of resolution and OCT retinal map were performed in all patients. Statistical analyses : Pearson correlation test and Logistic Regression. Results: There was a significant correlation between post treatment visual acuity and macular thickness after treatment ($p=0,001$), and also a positive correlation between change in visual acuity and change in retinal thickness ($p=0,049$). The initial visual acuity of patients did not correlated with the retinal map macular thickness before treatment. Conclusion: OCT retinal map macular thickness after laser photocoagulation correlated with post treatment visual acuity and there was a significant correlation between change in visual acuity and change in retinal thickness after laser photocoagulation. A lack of correlation between the pre-treatment visual acuity and macular thickness maybe related to the small number of patients enrolled in this study.