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Service (sector) Retina and Vitreous N° CEP

VISUAL AND ANATOMICAL RESULTS AFTER INTRAVITREAL BEVACIZUMAB FOR CHOROIDAL NEOVASCULARIZATION AND DIABETIC MACULAR EDEMA

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Purpose: To report visual and anatomical outcome after intravitreal injection of bevacizumab.

Patients and Methods: 21 eyes of 19 patients diagnosed with choroidal neovascularization (CNV) or cystoid macular edema (CME) due to diabetic retinopathy were treated with a single intravitreal injection of bevacizumab. All patients underwent optical coherence tomography (OCT) imaging and had best-corrected visual acuity measured just before, 1 week, 2 weeks, 4 weeks and 8 weeks after the procedure.

Results: 19 eyes of 17 patients were diagnosed with subretinal or intraretinal fluid due to CNV. 4 eyes of 4 patients were diagnosed with CME due to diabetic retinopathy. All 21 eyes had anatomical improvement at the OCT analysis. Six eyes of six patients had improvement of the best-corrected visual acuity. Only one patient had a decrease of one Snellen line. The other patients kept the same visual acuity, although 5 of them related subjective visual improvement.

Conclusion: Results with intravitreal bevacizumab have been rather promising for patients losing vision due exudative maculopathies of different etiologies. New prospective and randomized studies should be done to prove the safety and real