

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo
PIBIC Last Name - Bordon First Name - Arnaldo Middle - Furman

Service (sector) Retina and Vitreous N° CEP

Optical Coherence Tomography (OCT) Findings in Age-related Macular Degeneration (AMD) after Photodynamic Therapy (PDT) AF Bordon, ME Farah, TA Guia, D Calucci

Purpose: to describe the findings of OCT in patients with AMD treated with PDT with verteporfin. Material and methods: patients with AMD and classic or predominantly classic lesions at fluorescein angiography were prospectively studied. OCT was performed at baseline, 3-month, 6-months, 9-month, and 12-month visit. PDT was carried out in accordance to the TAP study. Results: twenty-three eyes of 23 patients were included. Ten patients were female and 13 were male. Fourteen were right eyes and 9 were left eyes. OCT findings were: thickening of the RPE-choriocapillar complex (RPE-CC), intraretinal fluid (IRF), subretinal fluid (SRF), sub-RPE fluid (sRPEf), presence of the foveal depression (FD), intraretinal cysts (IRC), and vitreomacular adhesion (VMA). Eighty-six scans were obtained. At baseline, RPE-CC: 95.25%; IRF: 85.71%; SRF: 33.33%; SubRPEf: 9.52%; FD: 38.1%; IRC: 4.76%; VMA: 4.76%. At 3-month: RPE-CC: 94.74%; IRF: 78.95%; SRF: 31.58%; SubRPEf: 15.79%; FD: 31.58%; IRC: 10.53%; VMA: 0%. At 6-month: RPE-CC: 100%; IRF: 72.73%; SRF: 0%; SubRPEf: 0%; FD: 27.27%; IRC: 0%; VMA: 9.09%. At 9-month: RPE-CC: 92.86%; IRF: 71.43%; SRF: 28.57%; SubRPEf: 7.14%; FD: 78.57%; IRC: 7.14%; VMA: 7.14%. At 12-month: RPE-CC: 95.45%; IRF: 86.36%; SRF: 13, 64%; SubRPEf: 9.09%; FD: 77.27%; IRC: 4.55%; VMA: 9.09%. Conclusions: RPE-CC complex stays thickened throughout the follow-up period, despite treatment. The same happens to intraretinal fluid. Foveal contour is found in 1 out of 3 cases during the first 6 months of treatment, and become visible in more than 2/3 of cases at 9 and 12-month follow-up. Sub-RPE fluid, intra-retinal cysts, and vitreous-macular attachment remain stable throughout the follow-up period.