

R1 R2 R3 PG0 PG1 Estagiário Tecnólogo PIBIC

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Middle -

Service (sector)

Retina and Vitreous

Nº CEP

Macroscopic and Histopathologic study of peripheral retinal alterations in Eye-Bank-Eyes.

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Purpose: To determine the frequency of pathologic findings in peripheral retina from eye-bank eyes.

Methods: A random series of 126 eyes from 69 individuals obtained from eye banks in the state of São Paulo – Brazil from July to October 2000 was studied. The eyes were opened horizontally and examined to observe macroscopically the presence of peripheral retinal alterations. The eyes with peripheral retinal alterations were documented and submitted to histopathologic evaluation.

Results: Of a total of 126 eyes peripheral retinochoroidal scars observed in 30 eyes (23.8%), pars plana cysts were noted in 18 eyes (14.3%), peripheral chorioretinal atrophy (padding stone degeneration) was observed in 9 eyes (5.6%), 8 eyes (6.3%) presented peripheral hole. Lattice degeneration was found in 2 eyes (1.6%) and 4 eyes (3.1%) presented other peripheral alterations.

Conclusion: Peripheral retinal alterations were found in 110 (87,3%) of 126 eyes. The most frequent finding was the peripheral cystoids degeneration observed in 88 eyes (70%). The majority of other retinal peripheral alterations were associated with peripheral cystoids degeneration.