

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

### **Ocular Findings in Patients older than 99 years**

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#### **ABSTRACT**

**Purpose:** Determine the vision conditions and ocular findings in patients older than 99 years of age. **Methods:** Patients were recruited by media advertisement and examined at the Vision Institute of the UNIFESP. The following exams were performed: visual acuity, ectoscopy, refraction, biomicroscopy, tear film break-up time (BUT), schimer basal test, tonometry, direct and indirect ophthalmoscopy. Complementary exams such as optical coherence tomography were performed when indicated. **Results:** Twenty-two patients older than 99 years were identified but only 15 presented for examination, 13 females and 2 males with ages between 100 and 105, mean age of 101,63 years ( $\pm 1,55$ ). Most of the patients had systemic blood hypertension (33,33%) and none had diabetes. The mean best visual acuity was from 20/80 (33,33%) to 20/200 (40,0%) and for reading it was J4 to J6. The most frequent visual complain was low vision for reading (46,66%). Cataract was present in 60% and were operated in 40%. Just in one patient it was considered that cataract was impairing vision. The main cause of visual impairment was age related macular degeneration (60%), Glaucoma was present in 13,33%. Fifty per cent of the patients received eyeglasses prescription but the vision improvement was not significant.

**Conclusion:** Most were female, with systemic blood hypertension, complaining from low vision for reading because of age related macular degeneration.