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Service (sector) Cataract N° CEP

**MNREAD-P table visual function in patients with age-related macular degeneration before and after phacoemulsification**

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**Purpose** To verify visual acuity, maximum reading speed, critical letter size, and visual function improvement in patients with ARMD before and after phacoemulsification

**Material and Methods** Prospective controlled trial. Eight eyes of 7 patients with ARMD underwent the following preoperative exams: ETDRS best corrected visual acuity, MNREAD-P near distance visual acuity, PAM, and complete ocular examination. After phacoemulsification ETDRS and MNREAD-P visual acuities were repeated and compared to preoperative values.

**Results** Reading visual acuity improved in 6 eyes, remained unaltered in one eye and was worse in one eye. In seven eyes critical size presented a significant improvement ( $p=0,0233$ ) and in maximum reading speed ( $p=0.032$ ).

**Conclusion** Phacoemulsification with IOL implantation improved visual function by improving critical size and increasing reading speed. The MNREAD-P table provided adequate testing of these visual functions.