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Visual acuity recovery after vitreoretinal surgery

Abstract:

Posterior segment pathologies are a frequent cause of visual impairment and blindness. Their management relies on vitreoretinal surgery. This surgery can be performed either urgently or electively depending on the circumstances. The aim of our study was to highlight the contribution of vitreoretinal surgery and its impact on visual prognosis across different pathologies.

To achieve our objective, we conducted:

- A retrospective exploratory study spanning eight months, involving 64 patients who underwent vitreoretinal surgery and whose medical records were analyzable regarding various clinical, paraclinical, and therapeutic aspects.
- The study period covered eight months: January 2023 to August 2023.

Our study was conducted with an analytical aim to evaluate the functional visual prognosis following vitreoretinal surgery for different underlying pathologies.

- Visual recovery generally took several months after surgery but varied significantly depending on the pathology involved.
- Visual recovery following macular hole surgery was often satisfactory but partial, being better in patients with smaller macular holes (<200 microns).
- Visual recovery was slow after epiretinal membrane surgery. Vision typically improved substantially within the first month, followed by slow improvement over the next 2 to 3 months.
- Recovery after vitreous hemorrhage surgery and improvement in visual acuity were related to the cause of bleeding.
- Regarding retinal detachments, visual recoveries varied. They were better for macula-sparing, recent detachments managed early, but prognosis was poor for tractional retinal detachments, old detachments, macula-off cases.

Biography

Manal Jaafar is a third year resident in CHU Souss Massa Agadir. She has completed her PhD at the age of 24 years from Rabat University School of Medicine and pharmacy. She is now completing her specialization in ophthalmology in Agadir and has multiple submitting to local congresses in Morocco such as SAMIR, SMO, RESO