AMD EDEMAS:

DIAGNOSIS, FOLLOW-UP, THERAPEUTIC, PROGNOSIS,

SPECTRAL DOMAIN OCT, ANGIOGRAPHY, ICG INTERESTS

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To evaluate OCT, Fluorescein, ICG Angiography signs of various types edemas complicating AMD, so their diagnosis, follow-up, therapeutic, prognosis value
METHODS

▲ PATIENTS
115 eyes of 87 patients, 10 men, 2 women, with AMD EDEMAS, Retrofoveolar Neovascular AMD

▲ TREATMENT
♦ INDUCTIVE TREATMENT
   - IVT of RANIBIZUMAB 3 RANIBIZUMAB IVT
   - 3 times, every 4 weeks

♦ SERIES of NEXT INJECTIONS
   depending on the follow-up results

▲ FOLLOW-UP
♦ EXAM FOLLOW-UP

♦ FIRST EXAM and FOLLOW-UP EXAM
   - Best refracted ETDRS decimal scale Visual Acuity (VA)
   - Complete ophthalmic examination with Ocular Fundus exam
   - Fluorescein angiography (FA)
   - Infracyanine angiography (ICG)
   - Ocular confocal tomography (OCT)

♦ TIME FOLLOW-UP
   Every 2 months
during 2 years

♦ FOLLOW-UP RESULTS
   Indicated another injection or no

▲ ANALYSIS CRITERIA
♦ OCT: - Evaluated and Compared Cut to Cut and Time to Time, for each exam, and between exams in the follow-up
   - Exudative reaction, Type Edema, Thickness, Inflammatory reaction, Associate lesions
♦ FA: - Type of lesion and Leakage, surface, topography, intensity of leakage, edema and lesions,
♦ ICG: - Neovessel caliber, and Flow
The OCT, at most and only let us to determine:

- Retreatment Decision in 74% cases
- Therapeutic Protocole in 58% cases
- Prognosis and Scalable Potential in 45% cases
DISCUSSION

DIAGNOSIS: focal measure, 28% cases: 20% thickness improvement, inflammatory reaction: mostly constant

FOLLOW-UP: effectiveness treatment index, kind, decrease intensity of the edema (DSR / OMC)

NO PREDICTIVE: relative notion of Neovascular activity (OMC / Resorption Vacuola)

RESULTS Depending on Lesions kinds

THERAPEUTICS RESULTS Independent of OCT Results, Number of IVT Series

- OCT = BENCHMARK EXAM for exudative AMD complication:
  - Main point of Diagnosis, Treatment, Follow-up of AMD and its exudative complication
  - let to highlight unreached so, previously unknown facts (MER)
  - makes easier routine practice (above all SPECTRAL DOMAIN)
    - Diagnosis more accurate, reliable, easy, better than clinic, enable iconographic comparison

- Performance, Effectiveness and Reliability of OCT, EQUAL analytic and comparative evaluation method

- AF, ICG, OCT = FURTHERS EXAMS:
  - interest of each one, and to combine them, (42% less diagnosis mistake if all done together)
  - FA and above all ICG allow to evaluate and determine Neovascular Flow and Activity

CONCLUSION

AMD EDEMA are a major element for Neovascular complication evaluation

OCT is necessary, essential, but NOT SUFFICIENT for NEOVASCULAR AMD Diagnosis and Follow-up