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# Patient with acute retinal pigment epithelitis

**Kaspars Kudins**

Latvian University, Latvia

**1** 972 was the year when Acute retinal pigment epithelitis or Krill's disease was described first time as a rare idiopathic and self-limiting inflammatory disorder that influence retinal pigment epithelium in macula. Affecting most of all young adults. Disease is unilateral 75% cases, equally affects males and females. Symptoms are characterized by sudden changes in vision. The etiology of ARPE is unknown, but there is suggestions that viral infection may play role in the pathogenesis. The diagnosis of ARPE is made based on clinical suspicion, as well as fundus findings.

The purpose of this case is to report the clinical changes, laboratory changes and objective spectral domain optical tomography images of an ARPE at the acute phase and resolving phase.

**Methodology & Theoretical Orientation:** Patient with specific subjective complains was examined with OCT scan, vision test, refractometry, Echo-scan, laboratory testing was taken in his acute phase of ARPE and then the patient was treated for more than one month and then tests were repeated in the resolving phase.

**Findings:** There was changes in subjective symptoms and objective there was positive changes in vision test, Echo-scan showed positive changes and OCT scan also showed significant positive changes in foveal map, epithelium dislocation.

**Conclusion & Significance:** ARPE has a different objective finding during different phases of illness in OCT scan, Echo-scan, vision testing, and in subjective patient complains

## Recent Publications

1. Nathalie Puche, Oliver offret, Jean-Antoine Bernard, Francine Behar-Cohen (2010) A case of acute retinal pigment epithelitis: spectral domain optical coherence tomography time course and physiopathologic hypothesis. 1029–1033.
2. Cho HJ, Han SY, Cho SW, Lee DW, Lee TG, Kim CG, Kim JW. (2014) Acute retinal pigment epitheliitis: spectral-domain optical coherence tomography findings in 18 cases. 1;55(5):3314-9
3. S Gilhotra, A K Gilhotra, I M Holdaway, and M L Donaldson (2006) Acute retinal pigment epitheliitis associated with intravenous bisphosphonate 90(6): 798–799.
4. Lawrence Pui-Leung lu, FRCSEd (Ophth), FCOphthHK (2018) Acute Retinal Pigment Epitheliitis (Krill's Disease), American Academy of ophthalmology
5. Fatih C Gundogan, Oktay Diner, Ahmet Tas, Abdullah Ilhan, Umit Yolcu. (2014) Macular function and morphology in acute retinal pigment epithelitis, Indian Journal of ophthalmology.

## Biography

Kaspars Kudins 6 year medicine student from Latvia. Studys in Latvian university works at Zannas Kudinas ophthalmology private practice since 2014 as administrator. Also volunteer at Riga East University hospital ophthalmology clinic since year 2017. Also, admin of Latvian University neurology club since 2017. Author of publication: Fetal alcohol syndrome diagnostic criteria evaluation in newborns in Latvia

kaspars1212@hotmail.com