Atypical lipid keratopathy

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Abstract

A 26-year-old patient, presented with a bilateral corneal clouding that had been slowly progressive over the last 2 years. He was a sports trainer having consumed protein for bodybuilding. Visual acuity was 6/10 in the Right Eye (RE) and 1/20 in the Left Eye (LE).

Lipid keratopathy is a rare disease. It has a primary and a secondary form, the secondary being the more common entity because of leakage from lipids out of newly formed corneal vessels after inflammation. Lipid keratopathy is a rare disease. It has a primary and a secondary form, the secondary being the more common entity because of leakage from lipids out of newly formed corneal vessels after inflammation. Oxidative stress and physical exercise increase surface inflammation and limbitis and promote corneal neovascularization which leads lipid keratopathy.

Declarations of interest: None.
**Figure 2:** Anterior segment optical coherence tomography revealing a hyper-reflective area in the deep stroma.

**Figure 3:** Confocal microscopy showing increased number of Keratocytes with pathological activity proving inflammatory state.