Study of eye contamination with Acanthamoeba keratitis in Morocco

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Acanthamoeba keratitis (AK) is a sight-threatening infection. We report zero cases of KA diagnosed between 2016 and 2017 in the Parasitology Laboratory of the National Institute of Hygiene and collected at the Ibn Sina Rabat Hospital. All were associated with hygiene, inadequate care of contact lenses and storage of lenses and washing of the eyes by them contaminated. Patients had different clinical presentations: corneal inflammation, corneal ulceration and corneal abscess. The diagnosis was made after direct examination, culture and polymerase chain reaction with specific primers. Genotype classification was based on the highly variable DF3 region in the 18S rRNA gene.

Key words: Acanthamoeba keratitis, infection, hygiene, 18S rRNA gene

Biography: Elmahdi SAKHI is a PhD student in parasitology at the Rabat Morocco scientific institute, his studies on the isolation of free amoeba: Acanthamoeba Spp in the different water sources in the Rabat-Morocco region. This study was carried out at the parasitology laboratory in Rabat. Institute of hygiene Rabat. Study of ocular contamination with Acanthamoeba keratitis in Morocco samples are collected from the Ibn Sina Rabat Hospital and research of an integrated laboratory of parasitology at the institute of hygiene rabat morocco.