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A PREMACULAR HEMORRHAGE WITH ROTH SPOTS REVEALING A SYSTEMIC LUPUS ERYTHEMATOSUS

Poster

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Purpose:

Systemic lupus erythematosus (LES) is an auto-immune disease that affects a variety of organs mainly through inflammatory mechanisms. SLE-related ocular manifestations can be diagnosed in 7 to 26% of the patients, it indicates systemic disease activity and can rarely reveal the disease.

Methods:

We report the case of a 25-year-old patient, without medical history, who presented a premacular hemorrhage leading to the diagnosis of a LES

Results:

We report the case of a 25-year-old patient, without medical history, who was hospitalized in the medicine department for pancytopenia. The patient presented an acute painless visual loss of her right eye after forceful vomiting. On ophthalmological examination, the best corrected visual acuity (BCVA) was 20/200 in the right eye and 20/20 in the left eye. Fundus examination (FE) showed a right premacular hemorrhage associated with bilateral Roth spots and cotton-wool spots. Hemorrhagic detachment of the internal limiting membrane with a fluid level was seen on OCT. An oriented work-up established the diagnosis of LES. After a two-week high-dose course of oral corticosteroids, BCVA had improved and FE showed a restitution ad integrum.

Conclusions:

It's the first case of LES revealed by a unilateral premacular hemorrhage and bilateral Roth spots associated with a pancytopenia. These manifestations are reversible with corticosteroids.