Cytomegalovirus retinitis before and after treatment

Rétinite à cytomégalovirus avant et après traitement

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A 35-year-old man with the acquired immunodeficiency syndrome presented with decreased peripheral visual field in his right eye, the best-corrected visual acuity was 20/32 OD and 20/20 OS, slit lamp examination was normal. Fundus examination found in right eye a “cheese and ketchup” appearance and is demonstrated by haemorrhages and the dirty, white, granular-appearing retinal necrosis of area supplied by inferonasal retinal vessels and a superior focal white infiltrate (Fig. 1). A highly active antiretroviral therapy (HAAT) was introduced and patient received 2.0 mg/0.04 ml of twice-weekly intravitreal ganciclovir. After 5 injections lesions were halted with resolution of retinal necrosis resulting in a granular retinal atrophy and ghost vessels (Fig. 2). A weekly 1.0 mg/0.02 ml intravitreal ganciclovir was maintained until CD4 count exceed 150 cells/mm³.

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Figure 1. Wide-angle composite images of the right eye showing “cheese and ketchup” appearance on inferonasal area, with superior focal white infiltrate.
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Figure 2. Wide-angle composite images of the right eye after 5 intravitreal injections showing resolution of retinal necrosis with ghost vessels.

Disclosure of interest

The authors have not supplied their declaration of competing interest.