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A case of CMV retinitis after kidney transplantation.

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CMV retinitis is rare complication after kidney transplantation. In hematologic and solid organ transplantation, viral necrotizing retinitis are common, and started in the midperiphery and progress to other area. most patients initially present with unilateral disease. It was known that only about 20% of retinitis patient showed CMV viremia. We report CMV retinitis after kidney transplantation. 66 year-old male patient visited at ER with decreasing vision of right eye. In reviewing past-medical record, he was diagnosed with IgA nephropathy with ESRD in 2010. And he was treated with CAPD. 8 month ago in March 2017, he had received cadaveric kidney transplantation Initial laboratory data was thought to be AKI (BUN 58.4mg/dL Creatinine 3.34mg/dL eGFR 19.9) and kidney function was not fully recovered. Immunosuppressants were MMF 500mg bid, tacrolimus 1.5mg bid, PD 5mg. And blood tacrolimus level was 6.7ng/ml. On admission day, Fundus examination showed inflammatory infiltrating retinitis with intraretinal hemorrhages anterior chamber cell infiltration in the right eye. The visions were right BCVA 1.0 and left BCVA 1.0. CMV IgM negative, IgG positive, CMV PCR copy were 137 IU(normal range <150 IU). He was treated with iv ganciclovir and stop the MMF and reduced the tacrolimus to 1mg bid. On 14th admission day, his visions were improved subjectively and was discharged. Follow up CMV PCR copy were 137 IU(normal range <150 IU, not changed. He was taken oral Valganciclovir for 3 weeks. And then, ophthalmic evaluation performed. The vision were improved right BCVA 1.25, and left BCVA 1.0 and showed improved retinal hemorrhage and inflammatory infiltration in funduscopy.

