

## ***CMV infection after pediatric renal transplantation: Experience a center***

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### ***Abstract***

#### **Introduction:**

Viral infections after renal transplantation (TR) are a major cause of morbidity and mortality. Cytomegalovirus (CMV) infection, viral infection remains the most frequently observed in renal transplantation. The object of our study was to report cases of CMV infection in pediatric kidney transplant patients in our center.

#### **Patients and methods:**

This is a descriptive and analytical retrospective study of pediatric renal transplant on a 12-year period between June 2007 and September 2019 at Department of Nephrology University Hospital IBN ROCHD.

#### **RESULTS:**

During this period, we identified 21 pediatric renal transplant patients, The average age of patients was 11 years old during the intervention with extremes ranging from 5 years to 17 years. The sex ratio was 1.2 with 12 boys and 9 girls. The initial nephropathy was dominated by congenital malformations. An antecedent hypertension was found in 45% of patients. The history of infection were found in 45% of cases. The surgical history was found in 40% of cases. At the time of transplant, 20 patients had received for at least six months of dialysis. Kidney transplantation has been preemptively in a patient.

CMV infection occurred in patients TWO. The delay means the infection occurred was 18 months. The discovery of a vérimie CMV was symptomatic in both patients. The treatment was based on antiviral treatment "cymevan" and the evolution was marked by a gradual decline in vérimie up negativity.

#### **Discussion:**

Viral infections after TR may be responsible for severe complications. Periodic assessments infectious must be undertaken and the systematic screening of cancers. CMV infections can be easily avoided by prophylactic treatment. Prevention of CMV infection in organ transplant is now possible and effective, even if the implementing rules are still imperfectly codified and vary from one team to another. Probably prophylaxis, the efficacy is clearly demonstrated, will become the most used strategy and it will be practical as routine as prophylaxis of P.

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#### ***Biography:***

I.Failal is working in department of nephrology. He has published 3 papers in professional journals.