

EBV encephalitis: retrospective study about 16 patients

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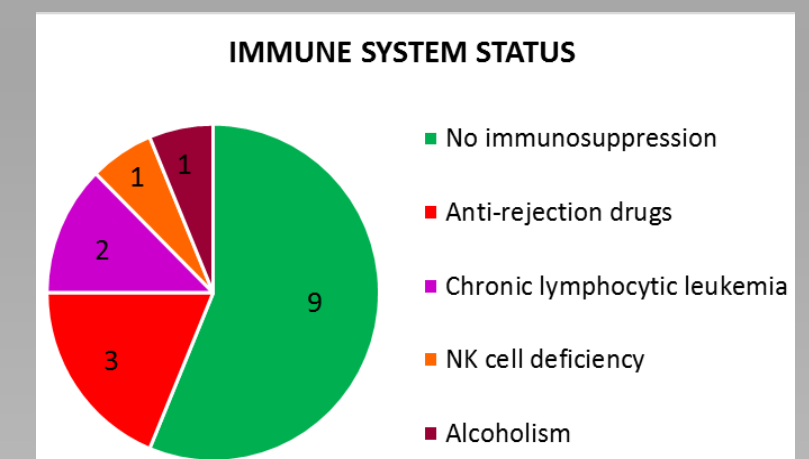
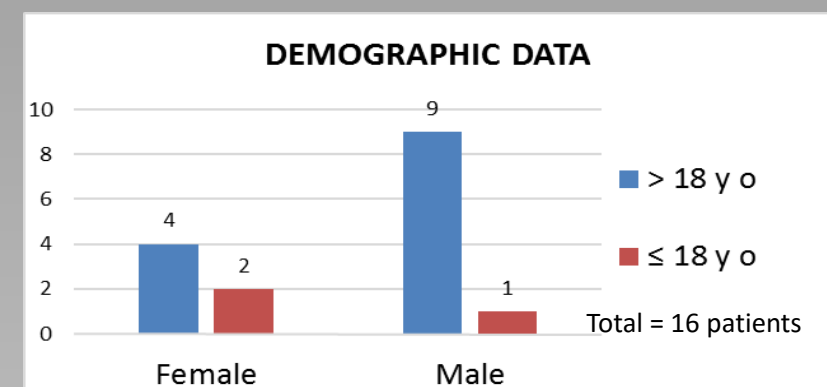


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Objective : to analyze the characteristics of both pediatric and adult patients with EBV encephalitis. Indeed, the literature reveals a poorly understood disease, mostly described in children.

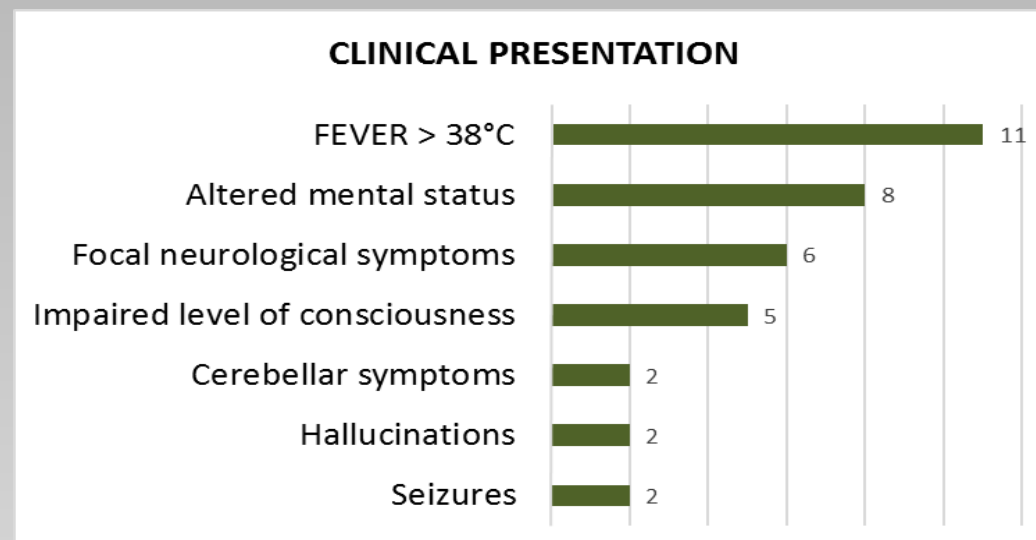
Methods : we performed a multicenter retrospective study. Data were collected from the records of 6 University Hospital Centers. Inclusion criteria were a clinical presentation of encephalitis (according to the international encephalitis consortium's definition) and a positive EBV PCR cerebro-spinal fluid or blood.

Results :

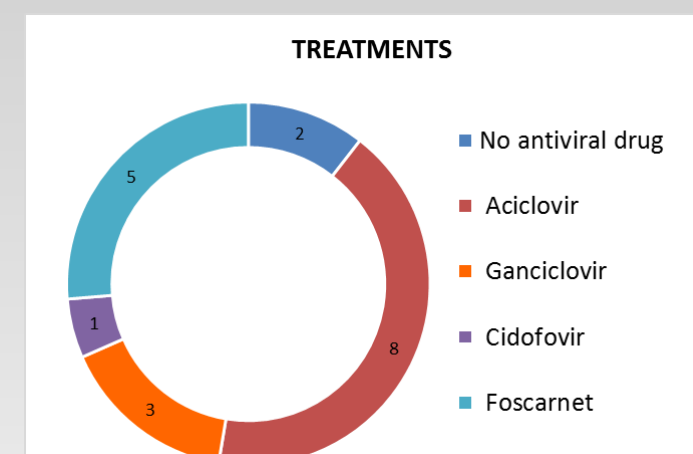


• Median age = 43 (7-78 years)

• 7 primary infections (43.75%)



- 6 moderate CRP increase (mean = 23 mg/l)
- 4 hyperleukocytosis (mean = 14,500/mm³ cells)
- 1 severe lymphopenia
- 3 mononucleosis syndromes (18.8%)
- 7 hepatic cytolysis (43.75%)
- 13 elevated CSF white cell counts > 10/mm³ (mean = 149/mm³ cells)
- 10 hyperproteinorachia (mean = 1.39mg/l)
- 11 abnormal brain MRI scans (68.75%)



Conclusion :

- Both adults and children, immunosuppressed or not, can be affected by EBV encephalitis
- Primo-infection or viral reactivation
- Polymorphic clinical and paraclinical presentation
- Less inflammation and better prognosis than in HSV encephalitis
- Appropriate treatment???

- 0 death
- 4 long-term sequelae
 - sensory disorders
 - frontal dementia
 - altered level of consciousness
 - psychomotor slowdown

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