|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Six Cases of presumed CMV Retinitis in HIV-1-infected children** | | | | | | |
| **Clinical details and laboratory results at presentation.** | | | | | | |
| **Patient** | **A** | **B** | **C** | **D** | **E** | **F** |
| **Age (months)**  Median 6.7 (2-40) | 5.5 | 2.3 | 5.5 | 40.2 | 11 | 8 |
| **Sex** | M | M | F | F | F | F |
| **Weight-for-age Z-score #** | -0.8 | 0.2 | -1.0 | -0.5 | -3.0 | -4.5 |
| **CD 4 count**  Median389 (37-884) | 884 | 188 | 249 | 609 | 530 | 37 |
| **CD4 %**  Median15.5 (3-30.8) | 30.8 | 9 | 15 | 16 | 23 | 3 |
| **Extra-ocular  CMV disease** | Hepatitis | Pneumonia  Hepatitis | Hepatitis  Encephalitis | Hepatitis  Encephalitis | None | Hepatitis |
| **Pp65 antigen** (Cells/200000  leucocytes) \* | 72 | 9 | 200 | 0 | 0 | 0 |
| **CMV PCR** | - | - | CSF positive | - | - | Blood positive |
| **CMV cultures** (urine) | positive | - | negative | negative |  | positive |
| **CSF (cells & protein)** | - | - | Lymphocytes 5  Protein 0.4 g/dl | Lymphocytes 67  Protein 0.4 g/dl | - | - |
| **Ophthalmology findings at presentation** | | | | | | |
| **Visual signs** | yes | no | yes | yes | yes | yes |
| **Active**  **retinitis** | yes | yes | yes | yes | no | yes |
| **Bilateral**  **disease** | yes | no | yes | no | yes | yes |
| **Macula**  **disease** | yes | no | yes | yes | yes | no |
| **Disc disease** | no | yes | yes | yes | no | no |
| **Retinal detachment** | no | yes | no | yes | no | yes |
| **Visual acuity**  Right eye | No light perception | Fixes and follows light | Light perception | Patient too unwell to access | No light perception | Fixes and follows large objects |
| **Visual acuity** Left eye | Light perception | Fixes and follows light | Light perception | Patient too unwell to access | No light perception | Fixes and follows large objects |
| **Treatment and Outcome** | | | | | | |
| **GCV IV treatment (days)** | 60 | 75 | 21 | 3 | - | 21 |
| **GCV IV maintenance (days)** | 10  Oral GCV (16 months) | - | 20 | - | - | 41  Valganciclovir (40 days) |
| **Days on HAART at presentation with retinitis** | 41 | - | - | - | 43 | - |
| **Outcome** | Alive | Alive | Alive | Died | Died | Alive |
| **Final visual acuity** | Severe visual impairment | Normal | Severe visual impairment | - | - | Fixes and follows large objects |
| # Calculated using EPI info 2000. Bull. WHO, 1997, 75: 11-18, 333-342  \* Clonab CMV (assay) for detection of HCMV pp65 antigen in peripheral blood leucocytes – any number of cells detected constitutes a positive result  CMV – Cytomegalovirus CSF – Cerebrospinal fluid GCV – Ganciclovir IV – intravenous | | | | | | |