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| **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/200000leucocytes) \* | 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 resultCMV – Cytomegalovirus CSF – Cerebrospinal fluid GCV – Ganciclovir IV – intravenous |