**Supplemental Table 1. Clinical Findings in Three Infants with Congenital Zika Syndrome, Arthrogryposis and Diaphragmatic Paralysis – Recife, Brazil**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Infant** | **Sex** | **Gestational Age** | **Birth HC (SD)** | **Cranial Phenotype** | **Zika Testing in CSF** | **Medical Complications** | **Arthrogryposis** | **Diaphragmatic Paralysis** | **Age at Evaluation** | **Repeat HC (SD)** |
| 1 | F | 38 wks. | 31 cm  (-2.06) | Microcephaly only | NAAT − /  IgM −\* | Respiratory including pneumonia; tube feeding; died at 18 mo. of age due to respiratory problems | Bilateral wrist and hand contractures and clubfoot; bilateral hip dislocation and knee subluxation/dislocation | Right | 7 mo. | 36 cm (-5.19) |
| 2 | M | 38 wks. | 33 cm (-0.78) | Normocephaly | NAAT − /  IgM + | Pneumonia X 2;  gastrostomy;  noninvasive intermittent ventilation | Bilateral wrist and hand contractures and clubfoot; bilateral hip dislocation | Right | 19 mo. | 42 cm (-3.11) |
| 3 | M | 39 wks. | 29 cm (-3.81) | Fetal brain disruption sequence | NAAT − / IgM + | Respiratory including pneumonia; tube feeding;  hydrocephalus | Bilateral wrist and hand contractures and clubfoot; bilateral hip dislocation | Bilateral, primarily anterior | 19 mo. | 39.5 cm (-5.11) |

Abbreviations: CSF, cerebrospinal fluid; NAT, nucleic acid amplification testing; IgM, immunoglobulin M

\*IgM was not performed until 7 months of age

**Supplemental Table 2. Developmental and Neurologic Findings in Three Infants with Congenital Zika Syndrome,**

**Arthrogryposis and Diaphragmatic Paralysis at Infant Follow-Up – Recife, Brazil**

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| **Finding** | **Infant 1 (7 mo.)** | **Infant 2 (19 mo.)** | **Infant 3 (19 mo.)** |
| Visual fixation and pursuit | No | Yes | No |
| Interaction with the environment | No | No | No |
| Social smile | No | Yes | No |
| Head control | No | No | No |
| Sitting without support | No | No | No |
| Persistent primitive reflexes | Yes | Yes | Yes |
| Nystagmus | Yes | Yes | Yes |
| Dysphagia | Yes | Yes | Yes |
| Epilepsy | No | Yes | Yes |